THE CHEMIST AND DRUGGIST

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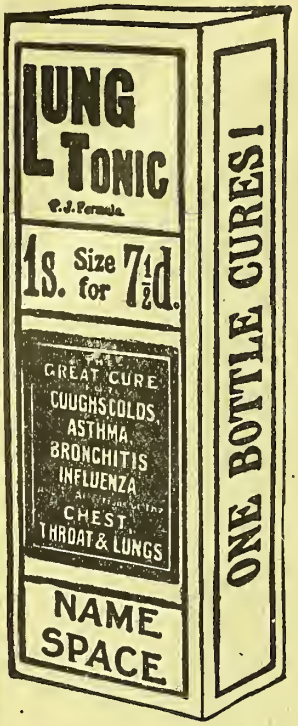

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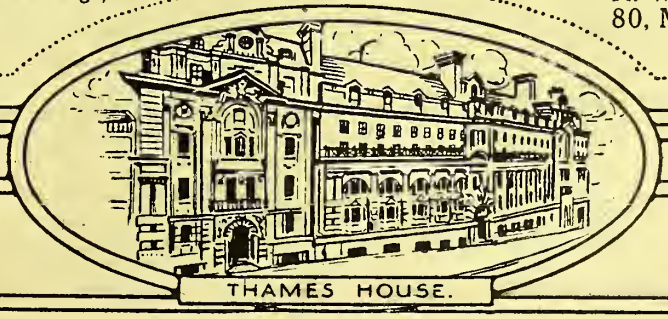

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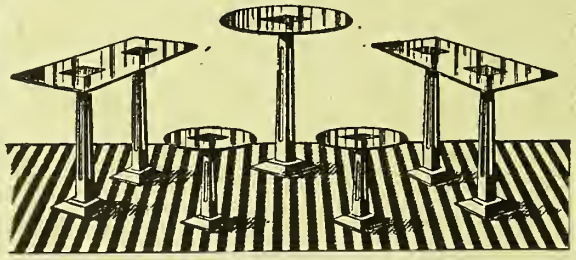

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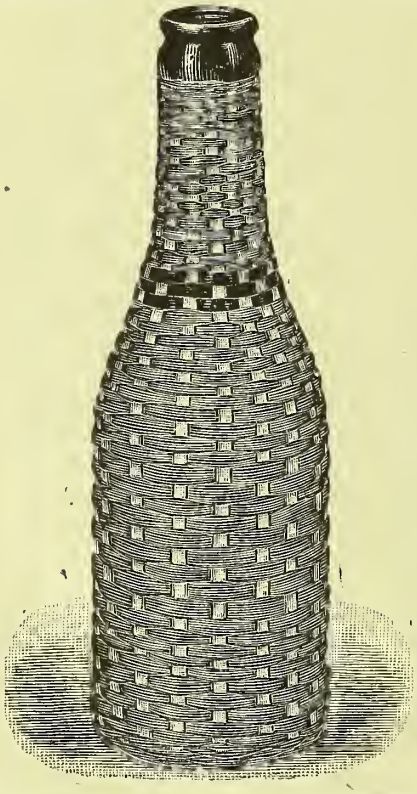

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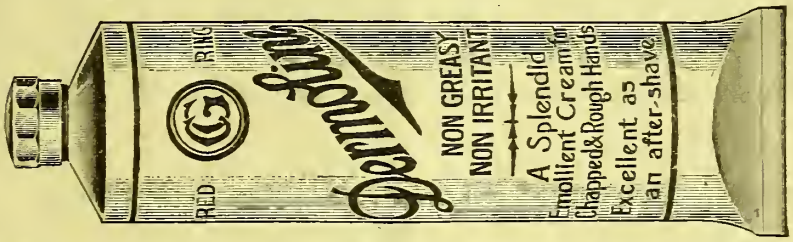

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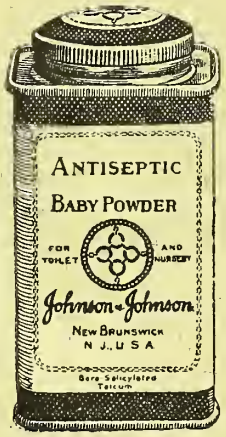

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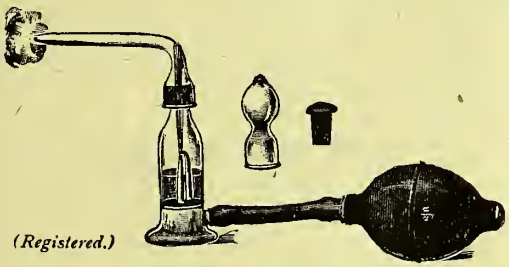

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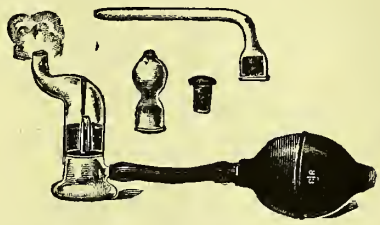

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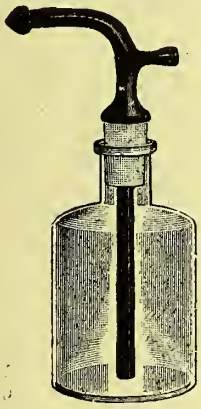

R. 19.
R. 20.
R. 21.

R. 4. NASAL SPRAY. Vulcanite mount with thick polished plunger, single ball American pattern bellows, fitted to 2 oz. "W" N.M. round, each in box, complete, doz. **22/-**

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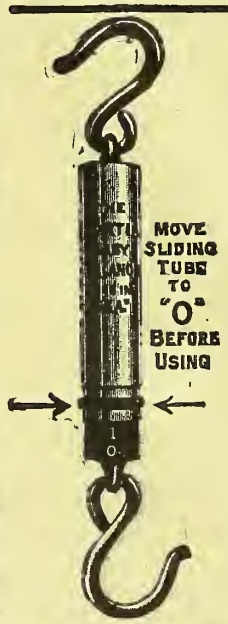

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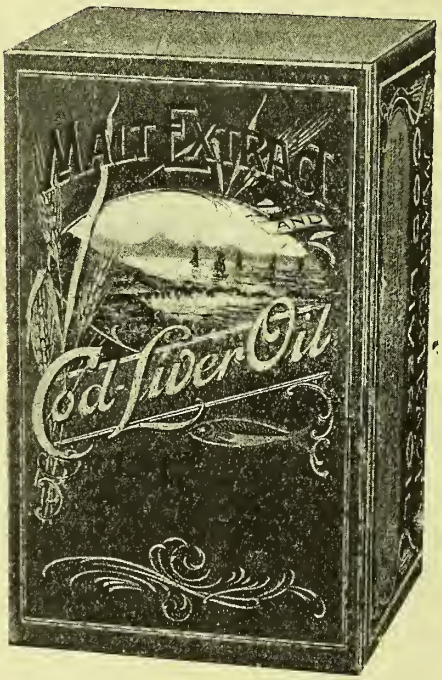

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No. 3653 Year of Issue 1916

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DOSE: One Wine-glass after the two principal Meals.

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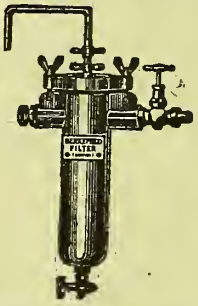

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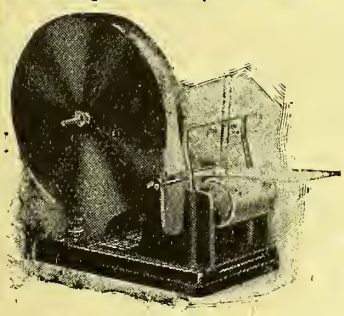

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Packed in Terra-Cotta Crocks.

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

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Coming Events.

Sunday, February 25.

Pharmacists' Volunteer Corps, Duke of York's, Chelsea, at 10 A.M. Parade, followed by practical first-aid demonstrations.

Monday, February 26.

British Industries Fair, Victoria and Albert Museum and Imperial Institute, South Kensington, London, S.W., at 10 A.M. The goods on show are in the classes earthenware and china, glass, fancy goods, stationery and printing, toys and games. The exhibition remains open until March 9.

Wednesday, February 28.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 4.30 P.M. Mr. F. A. Hocking, B.Sc., on "The War and our Supply of Drugs."

Chemists' and Druggists' Society of Ireland, 11 Waring Street, Belfast. Annual meeting.

Thames Valley Pharmacists' Association, Scotch Café, Clarence Street, Kingston-on-Thames, at 3 P.M. Ordinary meeting and discussion on the United Chemists' Association, Ltd.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Mr. H. Humphreys Jones, F.C.S., on "The Metric System."

Thursday, March 1

Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M. Meeting.

North London Pharmacists' Association, St. Padarn's Hall, Salterton Road, Holloway, N., at 3 P.M. Ordinary meeting.

Friday, March 2.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5.30 P.M. Mr. C. F. Cross on "Cellulose and Chemical Industry, 1866-1916."

European War News.

Import and Export Notices.

Australian Commonwealth.—The High Commissioner for Australia in London has received advice from the Commonwealth Government to the effect that officially certified copies of the British Customs specification or shipping bill will be required in Australia in connection with all foreign goods (including those originally from Allied countries) re-exported to the Commonwealth from the United Kingdom on and after March 1. Full particulars of the new requirement may be obtained from the High Commissioner's office, Australia House, Strand, W.C.

Denmark.—The resolutions notified in September last in regard to the import of borax and boron compounds into Denmark from the United Kingdom have been cancelled.

Germany.—According to a decree of the Imperial Chancellor of January 16, 1917, the importation of all articles of any description into Germany is prohibited, unless special permission is given by the authorities.

Netherlands.—The exportation of milk-albumen is prohibited as from January 27.

United Kingdom.—The following have been transferred to the "A" list, which means that the exportation is prohibited to all destinations: Albumen; casein and preparations thereof; acetic anhydride; potash muriate, nitrate (saltpetre), sulphate, and crude manurial potash salts, and mixtures containing any of these substances; dextrin; glucose; oils and articles, and mixtures containing such oils, the following: Coconut, cotton-seed, ground-nut, palm kernel. Oleo-margarine, pepper, farina, honey, potato-flour starch, refined tallow.

German Contraband of War.

The following articles have been added to the list of those which the German Government consider to be absolute contraband of war: Insulating-material of any kind; silk, artificial silk, and tissues made therefrom; all kinds of waxes and fatty acids; quillaia-bark; talc; carborundum and all other kinds of natural and artificial polishing-materials; diamonds for technical use; albumen; glass; glass articles and all kinds of bottles; asphaltum; earth-pitch; cadmium ore; zinc, cadmium, and alloys of these metals; zirconium, cerium, thorium, and alloys and compounds of these metals; zirconium earth and monazite sand. To the list of articles of conditional contraband have been added: Sponges, yeast, glue, gelatin, and raw materials required for their preparation.

The War Loan.

In the House of Commons on February 19, the Chancellor of the Exchequer (Mr. Bonar Law) stated that the amount of new money, including Treasury Bills, subscribed to the War Loan had exceeded his hopes of 600,000,000*l.* by probably 100,000,000*l.* without any direct contributions from the banks. Among the subscriptions of trade interest are the Anglo-American Oil Co. and employés, 510,000*l.*; Lever Bros., Ltd., directors, staff, and employés, 271,300*l.*; Sir Joseph Beecham's exors., 250,000*l.*; Mond Nickel Co., Ltd., 250,000*l.*; trustees of estate of the late Dr. Ludwig Mond, 250,000*l.*; Kodak, Ltd., 150,000*l.*; British Xylonite Co., 100,000*l.*; Produce Brokers' Co., Ltd., 77,000*l.*, also directors and staff, 44,050*l.*; Hull Oil Manufacturing Co., Ltd., 55,000*l.*; Blundell, Spence & Co., Ltd., 50,000*l.*; Robinson & Sons, Ltd., Chesterfield, 50,000*l.*; Preston's Liverpool Distillery Co., 35,000*l.*; T. & H. Smith, Ltd., 25,000*l.*; Hall's Wine, 25,000*l.*; Ingram & Royle, Ltd., 20,000*l.*; British Dyes, Ltd., employés, 20,000*l.*; Aerators, Ltd., employés, 18,000*l.*; Amber Size and Chemical Co., 15,000*l.*; Wright, Layman & Umney, Ltd., 10,000*l.*; Southall Bros. & Barclay, Ltd., 10,000*l.*; Fredk. Boehm, Ltd., 10,000*l.*; British Purchasers of Sanatogen, 10,000*l.*; Watford Manufacturing Co., 10,000*l.*; Chas. Zimmermann & Co. (Chemicals), Ltd., 10,000*l.*; W. J. Bush & Co., Ltd., employés, 8,500*l.*; Clayton Aniline Co. employés, 8,300*l.*; Deans, Logan & Co., Belfast, 7,000*l.*; The British Drug Houses, Ltd., employés, 5,600*l.*; G. T. Fulford & Co., Toronto, 5,000*l.*, and Antikamnia Co., St. Louis, 300*l.* (through J. M. Richards & Sons, Ltd., making the amount from 46 Holborn Viaduct 158,000*l.*); Borax Consolidated, Ltd. (staff), 7,050*l.* (5,200*l.* from employés and 1,840*l.* from employés of an affiliated company); North British Chemical Co., 3,000*l.*; Dr. Hair's Asthma Cure, 2,000*l.*; Eclipse Glass Works employés, 1,160*l.*; Parke's Drug Stores, Ltd. (staff), 1,200*l.*

The Southwark Borough Council subscribed for 125,000*l.* of the Loan for the convenience of small investors, and Mr. John Wylde (Thomas Keating's insect-powder manufacturers) and Wright, Layman & Umney, Ltd., have guaranteed 500*l.* each to the Council.

The War Savings Association formed by the employés of Bleasdale, Ltd., York, had up to February 17 purchased two thousand War Savings Certificates.

W. Blythe & Co., Ltd., manufacturing chemists, Church, Lancs, arranged to purchase Loan to the amount of 200*l.* and not less than 50*l.* for members of the staff, on condition that the money advanced be paid off within five years by monthly payments from salary.

Evans Sons Lescher & Webb, Ltd., on Tuesday completed their generous arrangements with their employés, and made a joint announcement of subscriptions to the War Loan as under: Original shareholders (twelve in number), 38,300*l.*; representatives, managers, and employés, 10,000*l.*; total, 48,300*l.* To this satisfactory position will be added further purchases of War Savings Certificates based on grants by the directors.

About 600 of the employés of The British Drug Houses, Ltd., met at Graham Street on Monday, February 12, and were addressed by the directors on the subject of the War Loan. The managing director (Mr. C. A. Hill) explained that for each employé willing to save 1*s.* per week the company would take 5*l.* War Loan, and as soon as an employé's weekly contributions amount to 4*l.* 10*s.* the company will hand him a War Loan certificate for 5*l.* More than 1*s.* per week may be paid, and it is to be deducted off wages weekly. A highly satisfactory response was made, upwards of three-quarters of the staff making applications totalling 5,600*l.* by Thursday, February 15, when the directors closed the list.

War-Office Contracts.

The following contracts were concluded during January:

Chemicals: A. Boake, Roberts & Co., Ltd.

Disinfectants: British Cyanides Co., Ltd.

Dyes: British Dyes, Ltd.; Kennesette Oil Syndicate, Ltd.

Medicines: F. W. Berk & Co., Ltd.; Burgoyne, Burbidges & Co., Ltd.; Burroughs Wellcome & Co.; W. J. Bush & Co., Ltd.; W. B. Cartwright, Ltd.; Evans Sons Lescher & Webb, Ltd.; C. R. Harker, Stagg & Morgan, Ltd.; Hough, Hoseason & Co., Ltd.; Howards & Sons, Ltd.; Johnson & Sons (Manufacturing Chemists), Ltd.; H. & T. Kirby & Co., Ltd.; May & Baker, Ltd.; Parke, Davis & Co.; Southall Bros. & Barclay, Ltd.; United Alkali Co., Ltd.

Methylated Spirit: Bellingham & Co., Ltd.; J. Burrough, Ltd.; Sutton, Carden & Co., Ltd.; Waters & Co., Ltd.

Respirators, Antiseptic: Robinson & Sons, Ltd.; H. Terry & Sons, Ltd.

Soda Crystals: Brunner, Mond & Co., Ltd.

Surgical Materials: A. Barton & Sons, Ltd.; British Oxygen Co., Ltd.; Broadhurst, Clarkson & Co., Ltd.; Carnegie Bros; Coxeter & Son; T. J. Smith & Nephew, Ltd.; Southall Bros. & Barclay, Ltd.; Vernon & Co., Ltd.

Tetanus Antitoxin: Burroughs Wellcome & Co.; Lister Institute of Preventative Medicines.

After-war Problems.

The Sales Managers' Association dined at the Holborn Restaurant, London, on February 15, Mr. W. B. Robertson presiding. Mr. John Hodge, Minister of Labour, and Mr. B. Seebohm Rowntree being the principal guests and speakers, capital and labour being their subject. Mr. Hodge said if this country is to hold its own in the neutral markets of the world it will be necessary that after the war there shall be a much closer co-operation between capital and labour than hitherto. Employers will have to realise that labour in all industries must be granted a greater share in the profits and in the general organisation of the factory. He was very strong on the necessity for the centralisation of various industries so that there may be no waste in production, and that the prime costs, etc., are reduced to meet external competition. The problem engaging the attention of his Department now is demobilisation after the war, and he outlined a scheme whereby it is hoped to arrange that every workman may have a job to go to within a month after discharge from the Army. Mr. Hodge was very optimistic regarding a boom in trade for several years after the war. Stocks are already so exhausted in almost every staple trade, he said, that there is bound to be an abnormal demand for labour for several years following the conclusion of hostilities. Mr. Seebohm Rowntree (who has charge of the Welfare Section of the Ministry of Munitions) followed Mr. Hodge, and was very strong on the necessity for a greater recognition by employers in the future of the human element in their employés. In the past, he said, employers had been too much in the habit of shutting themselves up in their offices surrounded by their ledgers and cash-books, and looking at any question of reorganisation or advance in wages merely from the financial point of view. He had no patience with men who speak of having "3,000 hands" as if they were 3,000 spindles. Such a tone is not only inhumane, he said, but it is stupid—even from the financial point of view. It stands to reason that if you provide healthy surroundings, a good living wage, an additional interest or sense of partnership, you have a more contented atmosphere in your factory, and infinitely better results all round.

Personalia.

Mr. Eric N. Davies, the London editor of "The Chemical Trade Journal," has joined the 15th County of London Regiment (P.W.O., Civil Service Rifles).

Private H. E. Howard, Leicestershire Regiment, who enlisted just over two years ago while with the Wand Manufacturing Co., of Leicester, is reported missing after an engagement on September 25 last.

Lieutenant Geoffrey Dakin, eldest son of Mr. J. Harrison Dakin (Dakin Bros., Ltd.), has been appointed acting captain while commanding a battalion of the Machine Gun Corps. Captain Dakin is a "Square" man, and was registered in January 1906.

Mr. Andrew Jackson, younger son of the late Mr. T. Jackson, chemist and druggist, of Chorley and Leyland, has been gazetted second-lieutenant in the Machine Gun Corps. His elder brother, Captain G. Jackson, is serving with the R.A.M.C. at Alexandria, Egypt.

The late Lance-Corporal Archibald Douglas Mason, son of Mr. A. D. Mason (Huxley's Pharmaceutical Products), was awarded the Military Medal for conspicuous bravery in the field on August 12, 1916. The War Office has now presented the medal to his father and mother.

Mr. F. C. Marrington, for several years member of the foreign travelling representative staff, and latterly on the home staff of Burroughs Wellcome & Co., has obtained a commission as lieutenant in the R.N.V.R., and is now engaged at one of the naval stations as boarding officer and interpreter.

Miscellaneous.

Black-listed Firms.—The Controller of the Foreign Trade Department has issued a new list of additions to the statutory list of firms of enemy nationality or enemy association in neutral and Allied countries with whom persons in the United Kingdom are forbidden to trade. The list contains eighty names, the bulk being of persons in the Netherlands.

A Million Men are Wanted for National Service. Fourteen trades are mentioned, but not the drug-trade. The seventh class is headed "Chemical, oil, etc., trades," and comprises manufacture of coal-tar products, dyestuffs, explosives and propellants, other chemical products, lubricating-oils and other lubricants, soap and candles, and fertilisers, as well as oil-seed crushing.

Military Tribunals' Decisions.

Bath.—Conditional exemption was granted to A. E. G. Lacey, assistant with Mr. A. C. Olds, dispensing chemist.

Colchester.—Exemption until April 1 was granted, on appeal, to H. W. Bolton, assistant to Mr. A. W. Nunn, Ph.C.—Conditional exemption was granted to Mr. C. S. Cullingford, chemist and druggist, assistant with Mr. J. F. Marlar, dispensing chemist.

Dundee.—The appeal of Mr. J. B. Ferrier, dispensing chemist, Hilltown, for his assistant, James Hood, was dismissed.

Eastbourne.—At the Sussex (East) Appeal Court, the Lion Drug Stores, Ltd., appealed for T. L. Pride, dispenser, and the case was adjourned for the provision of a substitute.

Isle of Man.—Conditional exemption was granted to Mr. J. W. Kermode, chemist and druggist, Port Erin. He has other shops in Castletown and Port St. Mary.

Margate.—Among the cases was that of a chemist's assistant, who was exempted some time ago on condition that another man in the same employment joined up. The case was adjourned for the opinion to be taken of the Kent Insurance Committee.

Oswestry.—Exemption until July 1 was granted to Mr. Robert Reeves, dispensing chemist.

Rishton.—The two chemists in this town were exempted until June 30.

Ryde.—Exemption until May 15 was granted to G. E. Ramage, with Mr. E. W. Pollard, Ph.C.

Sheerness.—Mr. J. E. Hudson, Ph.C., appealed at the Kent (East) Tribunal for his assistant, S. T. G. Verrall. The appeal was dismissed, but he is not to be called up before February 28.

Spalding.—Appeals, supported by the Insurance Committee, were made on behalf of Mr. James Epton, chemist and druggist, with Shadford & Co., and Mr. E. A. Osborn, dispensing chemist. Mr. Epton was granted conditional exemption, but Mr. Osborn was refused, and the case is to be reported to the Insurance Commissioners.

Wellington (Somerset).—Six months' exemption was allowed to Mr. Wm. Bissett, dispensing chemist.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Birmingham.

A fire broke out last week at the shop of Merrick & Heath, drysalters, Cape Hill, Smethwick. Shop and warehouse were completely gutted.

Mr. Wilfred Hill wishes it to be known that he has not resigned his activity in the County Chemical Co. It is only in abeyance for a short period.

Sergeant Charles W. Young, 100560, "D" Company, C.M.G. Depot, Crowborough, Sussex, son of Thomas Young, druggist, Aston (who died about 1896), has asked the local Detective Department for information about his stepmother.

According to Mr. A. B. Mudie, a well-known member of the electrical trade, Birmingham had in 1827 its electrical business carried on by Mr. Timothy Morris in Market Street, where he made magnetic machines, batteries, etc. In 1858 Birmingham saw its first electrical arc at Aston, when Queen Victoria opened Aston Park.

An interesting question has arisen during the past week —viz., what must be used when "tinctura arnicæ" is ordered in a prescription? Formerly this preparation was made with the rhizome, and designated as above, but in the 1914 edition of the B.P. flowers of arnica are used, and it is known officially as "Tinctura Arnicæ Florum." It is worthy of note that the tinctura arnicæ of the Homœopathic Pharmacopœia was made with equal parts of rhizome, leaves, and flowers, and was only intended for external use, diluted with water, as a lotion.

Liverpool.

The Chairman of the Liverpool Gas Company (Mr. H. Wade Deacon) at the annual meeting on Tuesday said the company is extending the extraction of toluol and benzol by order of the Government and as a patriotic duty, but the operation is not to the advantage of the company.

A marked shrinkage is noted in the American invoices for patent medicines and cosmetics. In part this is due to the increased activity of British manufacturers and wholesalers, but much of the depletion can be attributed to the restriction of imports from various causes associated with the war.

The "I.X.L." Concert Party (who are all members of the staff of Ayrton, Saunders & Co.) gave a concert on February 15 to the soldiers at the Venice Street Auxiliary Military Hospital. Mr. W. H. Saunders presided, and the programme was received most appreciatively by the audience of wounded heroes.

Sir James Barr, M.D., addressed the Literary and Philosophical Society, which shares the Royal Institution with the Chemists' Association, on Monday evening. He supported much of the programme of the Neo-Malthusian Society, and said the lecturers on venereal diseases were told not to touch on prevention, though prevention is better than cure.

Pharmacists generally are taking the larger view of the future, and in the opinion of some who are anxious to present a strong front in the furtherance of professional and trade interests, the time is fast ripening for the formation of what would be essentially a "Mersey City Chemists' Association." This would embrace Liverpool, together with Birkenhead, Wallasey, and Hoylake (in fact, the Wirral peninsula), Bootle, Waterloo, and Crosby, perhaps also Southport, Widnes, and Ellesmere Port. Each section would retain its local Committee or Council and branch meetings for purely domestic business.

The Lord Mayor (Mr. Max Muspratt), in presiding at the seventy-fifth annual meeting of the Royal Southern Hospital, one of the largest voluntary institutions in the city, said the question of taking such hospitals on the rates or taxes had often been a matter of controversy. He thought the solution of the problem would be to entrust the hospitals with the treatment of certain classes of cases, such as tuberculosis and venereal diseases, the financing of the hospitals for the treatment of these patients being a matter for the Government and the municipalities. By an interlocking arrangement, the Health Committees and the hospitals working side by side, efficiency and economy would be promoted. The report of the Hospital Committee showed that the tropical-diseases, ultra-violet ray and non-pulmonary tuberculosis sections are being continued successfully, and that a small male and a small female ward had been allocated as part of the city scheme for venereal cases. The therapeutic value of the ultra-violet rays had been amply confirmed in the treatment of many tubercular conditions, and in some other cases of bacterial origin. Their sphere of usefulness continued to extend, and many patients had received permanent benefit from this means of treatment. A considerable number of soldiers suffering from articular troubles and from chronic sinuses had been treated with marked improvement.

Manchester.

The traveller of a well-known cough-cure firm has succeeded in inducing several chemists to sell him their surplus stocks of B.P. glycerin.

A firm of store chemists in the East Manchester district have their window full of 1-lb. jars of malt and oil priced at 1*s.* 2*d.*, which is a much lower price than the regular selling price.

A large number of chemists in this district who have made honey a leading line have done good business. They have been recommending it as a substitute for sugar, and huge quantities have been disposed of.

J. Woolley, Sons & Co., Ltd., wholesale chemists, Victoria Bridge, have decided to give up the eyesight-testing department. Mr. David S. Fulton, who has been with them for eighteen years, is carrying on that branch at special rooms, 16 Grosvenor Chambers, 16 Deansgate, Manchester.

A Manchester chemist in an interview with a local newspaper correspondent, commenting on the changes during the last twenty-five years in "the people's physic," said that what struck him most was the surprising decrease in the amount of cod-liver-oil emulsion now consumed. Where he used to sell gallons he now sells ounces.

The demands made by the military authorities are being again felt in Manchester, youths of eighteen years of age having to join up. Mr. J. Cleworth's apprentice, who is eighteen in March, has to join the Army in April. The junior partner of a firm of Manchester chemists has had his exemption papers cancelled, and several assistants have received notices calling them up for re-examination.

Sheffield.

Mr. E. P. Greenhalgh, chemist and druggist, late with Mr. E. H. Swift, Hillsborough, has joined the R.G.A., and is acting as a bombardier at the Front.

A *locum tenens* who was engaged by Dr. E. D. Atwell, a local panel practitioner, was found the following morning dead in his bedroom from arsenic poisoning. The poison had been taken in the form of liq. arsenicalis.

On February 16 a fire was discovered at the warehouse in King Street of Watson & Co., chemists. Owing to the prompt discovery of the fire and the quick manner in which the fire-brigade got to work the area of the fire was restricted to narrow limits.

We understand that the war allowance of 0.3*d.* per script for 1916 for establishment-charges will be paid on the final settlement of the 1916 accounts. For 1917 the payment will be made monthly on the number of prescriptions presented for payment.

The first and second year botany classes in connection with the Education Committees' secondary school for pharmaceutical students have had to be amalgamated through the smallness of the classes, and are now held on Thursday night. Thursday is the weekly half-holiday, and most students would prefer another evening for the classes.

Boots, Ltd., although handicapped by the shortage of labour, have completed the alterations to their Attercliffe Common branch. The company has taken over the adjoining premises, and produced the most up-to-date shop in Carbrook. The old-fashioned windows have been replaced by modern casement windows with a base of dark marble. The business is under the management of Mr. Watts, grandson of the late Mr. Jos. Watts, one of Sheffield's pharmaceutical worthies.

Pharmacists are uncertain as to what is expected of them under the National Service scheme. The cases of chemists, whether of military age or over, having been considered by the Joint Committee and the Military authorities, it is not known whether as they are indispensable they should volunteer under the new scheme. It is felt that the Pharmaceutical Society should issue a circular on the lines of the one sent out by the Board of Education advising teachers, on account of the very serious depletion of staffs, not to volunteer for full-time work under the scheme.

Mr. J. E. Bradwell read a paper recently before the Sheffield United Friendly Societies entitled "Astounding Revelations." It referred to the supply of drugs under the National Insurance Acts, the lecturer taking for his text a recent exaggerated utterance of a chemist before an unofficial body which has been inquiring into the working of the Acts. He has been answered appropriately enough

by Mr. J. H. Bradwell, dispensing chemist, Ecclesall Road, who writes that he has abundant proof that the panel patients in Sheffield are exceedingly well catered for, both medically and pharmaceuticaly.

Tenders Accepted.

Acceptance of the following tenders is announced:

Battersea B.C.—Middleton Bros., for soaps.

Birkenhead T.C.—W. Snow & Sons, for drugs to the infectious diseases hospital for a year.

Deptford B.C.—Newton, Chambers & Co., Ltd., and Thorncliffe Ironworks and Collieries, for disinfectants at an increase of 7*d.* per gal., provided supplies are not required by the Government; Dussek Bros. & Co., Ltd., on present terms.

Lambeth Board of Guardians have decided to purchase direct drugs and druggists' sundries for their children's infirmary at Norwood, which have hitherto been supplied through the central drug-stores. This is due to the fact that there is great pressure on Mr. P. S. Thomas, the dispenser at the central drug-stores, owing to the large increase of patients from Southwark and Lewisham, where the infirmaries have been taken over by the military. The Board has further decided to grant Mr. Thomas a gratuity of 25*l.* for his extra services, and propose at their half-yearly meeting to review his salary.

Lewisham Board of Guardians.—South Metropolitan Gas Co., for disinfecting-fluid at 1*s.* per gal.

Oxford City Council.—Mr. G. J. Walklett, for disinfectants.

Swansea Council for the Borough Isolation Hospital: Chloros, Metsol, Ltd.; soap, "Sanitas" Co., Ltd.; chloride of lime, Alfred C. Young & Co.; disinfecting fluid (half-pints), Newton, Chambers & Co. and Killgerm Co., Ltd.; soluble powder, McDougall Bros.; fumigators, "Sanitas" Co., Ltd.

Miscellaneous.

Preston Chemists and Druggists are being asked if they agree to a closing order which the Town Council has approved.

Boy Employés.—An attempt is being made to raise the maximum school age from fourteen to sixteen. Chemists as employers of errand-boys will note.

Shop-assistants.—Mr. John Hodge received a deputation last week from the National Amalgamated Union of Shop-assistants, etc., and informed them that the whole question of minimum wages, particularly as it affects those employed in shops, is being carefully considered by the Government.

A Fuel Research Committee has been appointed, with Sir George Beilby, F.R.S., as director, the other members being Sir Charles Parsons, K.C.B., F.R.S., Mr. Richard Threlfall, F.R.S., and Sir Richard Redmayne, K.C.B., with Professor W. A. Bone, F.R.S., of the Imperial College of Science and Technology, as consultant.

Trade-mark Applications.—The Registrar of Trade-marks has issued a notice which states that in view of the Registration of Business Names Act, 1916, from and after March 1 next he will require (1) every authorisation to an agent to act for a firm to state in full the names of all the partners in the firm; and (2) every application for registration to state in full the names of all the partners in any firm mentioned on the application. If the application is in a firm name, it should be made in the name of A. and B. (as the case may be), trading in co-partnership as D. and Co. (as the case may be). The advertisement in the journal of the application will, to save space, give the firm name alone, but the entry on the register will contain all the particulars stated in the application.

Wounded Soldiers Entertained.—On February 10 and 17, parties of about 160 wounded soldiers from King's College Military Hospital, Denmark Hill, were entertained at Bermondsey Town Hall by the 3,000 employés of the four war-factories controlled by John Bell, Hills & Lucas, Ltd. The guests first had a splendid tea, the forewomen of the various factories serving it. Then followed a concert, provided by the employés of the firm, assisted by professional artists from the South London and Surrey Music-halls. On leaving each soldier received a pipe, 2 oz. tobacco, and 100 cigarettes. The chair was occupied on February 10 by Mr. S. Harrowing, and on February 17 by Mr. W. B. Nelson. The directors and managers and military officers connected with the work of the war-factories were present. Thanks are due to Mr. J. Stuart Hills, Mr. E. W. Lucas, and Mr. H. B. Stevens for their support. The arrangements were in the capable hands of Messrs. Brooks, Denton, and Hartridge.

Dr. E. Ullrich, a director of Meister, Lucius & Brüning, Hoechst a/M, from 1879 to 1909, has died in Wiesbaden at the age of seventy-seven.

Irish News.

Brevities.

The Dublin Corporation notify their intention of making an order under the Shops Act to close chemists' and druggists' establishments in Dublin at 9 P.M. on weekdays and 10 P.M. on Saturdays.

Mr. Samuel McLoughlin, manager of S. Connor & Sons, Newry, is leaving to carry on business on his own account at 149 Old Park Road, Belfast, which he has taken over from Mr. James Wellwood.

The Athlone Board of Guardians has decided to appoint a compounder of medicines owing to the delay at present in providing medicines for the poor. Some guardians, however, protested against the appointment as unnecessary.

Captain Cecil W. Robinson, R.A.M.C., officially reported wounded last week, is a pharmaceutical chemist, who formerly carried on business at 13 Harcourt Street, Dublin. He qualified as a doctor, and joined the R.A.M.C. in January 1916.

Among the subscriptions to the War Loan are 2,000*l.* from Wilson, Jordan & Alexander, Ltd., wholesale druggists, Tomb Street, Belfast; Sir W. Whitla, L.P.S.I., Belfast, 12,000*l.*; Thos. McMullan & Co., druggists, Victoria Street, Belfast, 14,000*l.*; Mr. Robert Cambridge, Carrickfergus, 1,000*l*

At the Cork Assizes, Robert Davidson, departmental manager of the Shandon Chemical Works, pleaded guilty to stealing sixty-one empty barrels belonging to his employers. Prisoner was released under the Probation Act, with recognisances in 50*l.* to come up for judgment if required. (See *C. & D.*, January 6, p. 39.)

An inquest was held in Larne, co. Antrim, last week relative to the death of Anne Kennedy (30), which occurred shortly after she had taken some medicine. One of the witnesses examined was Mr. Robert Kerr, manager of Carleton's pharmacy, Larne, who sold deceased a bottle of cough-mixture. This contained 0.05 per cent. of morphine, but in his opinion there was not in the full bottle sufficient morphine to be injurious. Dr. Thomas Killen said death was not due to the drinking of the cough-mixture. The jury found that death was duo to natural causes.

Scottish News.

Aberdeen.

Aberdeen has had a heavy infantile death-rate from pneumonia and bronchitis during the past month. Professor Matthew Hay reports that thirty-seven deaths have occurred as compared with seven in the corresponding month of last year.

All over the country there is a growing demand for tuberculin for the testing of pure-bred cattle. Practically all the leading owners get their cattle tested. If they pass it means that they are free from tuberculosis and they make a better price in the sale ring. Foreign countries will not allow stock to land from the United Kingdom unless they pass the tuberculin test.

Mr. William Hepburn, F.R.C.V.S., Aberdeen, at a meeting of the North of Scotland Veterinary Association, strongly advocated State control of tuberculin. Meantime, he said, it is possible to obtain tuberculin from almost any chemist. Its use should be entirely in the hands of the veterinary surgeon. He said that the efficacy of the vaccines and serums now employed in connection with diseases of stock was very gratifying.

Mr. M. K. Watt, Hon. Secretary to the Aberdeen Pharmaceutical Association, has forwarded a petition to the Aberdeen Town Council in favour of a Closing Order as follows: Monday, Tuesday, Wednesday, Thursday, and Friday to be eight o'clock, and Saturday nine o'clock. The matter came before a meeting of the Council on Monday, and the application was remitted to the Bills and Law Committee. It is not expected that any difficulty will be experienced in the Town Council agreeing to the request. There are sixty chemists and druggists in Aberdeen, and the petitioners had a two-thirds majority.

Dundee

The Dundee and East of Scotland Pharmacists' Association includes the following in the February list changes: Capsules—castor oil 30-min., 5*d.* dozen; lanoline, 5*d.* oz.; liquorice-juice, 2½*d.* oz.; camphorated oil, 3*d.* oz.; santal oil, 1*s.* dr.; aspirin tablets, 25's, 1*s.*; and tinct. rhei,

5*d.* oz. The Association impresses upon members the necessity of exercising discrimination in the sale of methylated spirit and of thoroughly satisfying themselves, before supplying, that it is required for legitimate purposes. In no case should children be supplied unless known to the seller, as it has been found in many instances that they are utilised as messengers by those who have been previously refused supplies. The Chief Constable has been asked to direct the attention of licensed grocers and ironmongers to these recommendations.

Edinburgh.

Mr. W. L. Edward, chemist and druggist, has been acting as drill instructor to batches of the local special constables for some time.

Dr. John Cumming, a former chemist and druggist, who was medical officer of the 9th Royal Scots (Highlanders) at the outbreak of war, is now a member of the Medical Board in Edinburgh Castle.

At the Edinburgh Sheriff Court on February 16, George Finlay, chemist and druggist, 329 Leith Walk, was fined three guineas for having sold a poisonous derivative of morphine without distinctly labelling the bottle with his name and address as the seller of the poison.

Glasgow and the West.

A plea is being put forward in the Glasgow newspapers for the revival of the growing of linseed.

During January the Glasgow Red Cross Sphagnum Moss Depôt despatched 30,250 dressings to hospitals at home and abroad. New premises are to be opened at 170 Renfrew Street, Glasgow.

Arrangements are well forward for the Industries Exhibition to be held in the Tramway Depôt, Paisley Road, Glasgow, on February 26. Mr. Neville Chamberlain has agreed to open the exhibition.

The late Dr. Mackintosh Forbes, of Maybole, governing director of Forbes, Munn & Co., Ltd., East India merchants, London, has left the residue of his property to Edinburgh University. The bequest is about 100,000*l.*

An amusing incident occurred the other day in a South Side pharmacy, when a man of the labouring class entered (while the proprietor was busy), demanding a "Belli dong plaister." The chemist placed the plaster on the counter and the money in his till, and resumed his more urgent duties. At the end of the rush he found the plaster still on the counter. The mystery was solved next morning, when the "irate one," who had demanded the plaster, threw down the mutilated remains of an indiarubber cash-mat with the exclamation, "A micht as weel try tae stick butter on a het plate as that plaister on ma back."

French News.

(From the "C. & D." Paris Correspondent.)

Obituary.—The death of M. J. V. Gasselin was announced at the last meeting of the Paris Society of Pharmacy, of which he had been a member for fifteen years. He spent his life as pharmacist of Paris hospitals, and was, in his younger days, preparator to Professor Jungfleisch at the Paris School of Pharmacy.—M. Capgrand Mothes, Honorary President of the Seine Pharmacists' Association and of the Association of Pharmaceutical Manufacturers, passed away peacefully at the ripe old age of eighty-seven. He was one of the last of the old school of pharmacists, of which M. Julliard was the type—a survival from the days when the practitioner made most of his own preparations. He had, however, quitted the counter for nearly a quarter of a century, and retired to a small estate in the South of France, where he did valuable work in founding and directing a local school of agriculture.—The obsequies of Principal Pharmacist Cornutrait, who died at Châlons recently, aged fifty-eight, were of an impressive and military nature. Several generals and the whole of the pharmaceutical and medical staffs of the locality followed, and a suitable oration was delivered at the tomb.—M. Robert Quillart, who took his Dr. Pharm. diploma at twenty-three years of age, has died of a malady contracted in the course of his service in a military hospital.—At a recent meeting of the Paris Society of Pharmacy, suitable allusion was made to the death of M. Champigny, a veteran of seventy-eight, who had been successively hospital *interne*, retail pharmacist in the rue de Clichy (Paris), and for thirty years manager at Frères', the wholesale druggists. He also took an active part in the formation of the Pharmacists' Co-operative Society for Manufacturing Iodine, and was an active and veteran member both of the Pharmacists' Association of the Seine Department, and of the French Pharmacists' General Association.

Legal Reports.

Light for a Prescription.—Five shillings was what Mr. George Philip, chemist and druggist, Dunfermline, was ordered by the Sheriff on February 16 to pay for having a light in his shop at 8.20 P.M. He was leaving his pharmacy when a customer came in with a prescription to dispense, and he turned up the gas to read the prescription when a policeman came in and charged him with the offence.

A Soda-ash Contract.—In the King's Bench Division of the London High Court on February 16, Mr. Justice Sankey had before him an action by the Compagnie Commerciale du Nord against the Franco-British Export Co., Ltd., to recover damages for alleged breach of contract to sell to the plaintiffs quantities of soda ash. A third party called was Richard Crispin & Co. The Judge pointed out that the action was against a limited company, and the contract was not with the limited company, and an amendment would be necessary. The case was accordingly adjourned.

National Cash Register.—Holding that the word had become by years of use distinctive of their goods, Mr. Justice Sargant, in the Chancery Division of the London High Court on February 21, allowed the appeal of the National Cash Register Co., of Dayton, Ohio, U.S.A., from the refusal of the Registrar to register the word "National" as their trade-mark in this country. The applicants, he said, chose the word, not because it was especially descriptive of their goods, but because it was one of those high sounding, grandiose, high-falutin efforts dear to traders as suggesting the magnitude, importance, and stability of their business.

A Barium-sulphate Case.—At Colombo last month, Mr. J. J. Montgomery, chemist with Cargills, Ltd., was fined 100 rupees for unlawfully substituting an ounce of barium sulphide for a similar quantity of barium sulphate prescribed. It appeared from the evidence that Dr. A. M. Do Silva, surgeon of the General Hospital, prescribed barium sulphate for a patient who was to be *x*-rayed, and the prescription for an ounce of the sulphate was taken to Cargills, Ltd. On the matter being referred to the defendant he directed that barium sulphide should be given, as there was nothing to show that the drug was to be taken internally, and he did not know what barium sulphate was used by anybody except artists for mixing paints. He put one of the firm's usual red labels on the phial to show that it contained poison, and that the contents were not to be taken internally.

Deficiency of Sodium Salicylate.—At Bow Street Police Court, London, before Mr. Garrett, on February 16, Mr. William Cork Palmer, chemist and druggist, Lamb's Conduit Street, W.C., was fined 40*s.*, and a guinea costs, for an infringement of Section 6 of the Sale of Food and Drugs Act, 1875. The compounded drug which he supplied to an inspector was found to be deficient in sodium salicylate to the extent of 56.9 per cent. On the defendant's behalf it was explained that he had been in business for twenty-seven years, and this was the first complaint that had been made against him. Owing to the war he was carrying on his business without any assistance. The defendant had four people waiting in his shop when he served the drug, and he was at the same time trying to get his tea. Instead of putting in 2 dr. he probably put in 1 dr. Owing to restricted hours, dearth of assistants, and the number of Acts of Parliament that had to be complied with chemists now had many difficulties to contend with. Mr. Garrett admitted defendant's good record and the fact that he had not been actuated by any desire to add to his profits.

The Beecham Estate.—Actions (*C. & D.*, February 17, p. 38) again came before Mr. Justice Sargant in the Chancery Division of the London High Court on February 16, the object of two of the actions being to consolidate the three actions, and, in the case of one motion to stay the proceedings in two actions and proceed with the third in London. Mr. P. O. Lawrence, K.C., who appeared for Mr. Henry Beecham and another trustee, read the testator's will, which consisted of some thirty clauses. Among the bequests were of the American business at Brooklyn to Mr. Henry Beecham, and the business at St. Helens, London, Belfast, etc., to the managing trustees, together with the secret formulas and recipes. The will also provided for the business being turned into a limited company, with a capital of 50,000*l.*, to be called "Thomas Beecham, Ltd." When he died Sir Joseph had agreed to purchase the Covent Garden estate, and had paid a deposit of 250,000*l.* on the purchase price of 2,000,000*l.* It was agreed with the Duke

of Bedford that if the purchase was completed by November 11, 1914, there should be a discount of 70,000*l*. The estate included four theatres and Bow Street police station. Sir Joseph became the purchaser through obtaining the option to purchase from Mr. Mallaby-Deeley, M.P., who was the original negotiator. He paid that gentleman and others 250,000*l*., but before he signed the contract he had arranged to re-sell to Mr. Ormrod, a Manchester stockbroker, at a price which would have given him a profit of 50,000*l*. But war broke out before Mr. Ormrod could complete, and he found himself unable to do so. Thereupon Sir Joseph induced the Duke of Bedford to postpone the date of completion to June 24, 1917, the discount being reduced to 8,750*l*. Part of this arrangement was that upon the personal covenant of Sir Joseph to pay 1,500,000*l*. the Duke would allow that sum to remain on mortgage at 4½ per cent. That involved him paying another 250,000*l*., whereby he would be let into possession. Soon afterwards he made his will, and a month later died. Counsel said that the trustees were vitally interested in having the Covent Garden estate dealt with as soon as possible, as it was most important that any liability connected with the Covent Garden estate should not fall upon the assets of the business. As questions requiring quick decisions might easily arise in the near future it was necessary that the proceedings in connection with the administration of the testator's estate should take place in London. He added that in order to relieve the testator's daughters of all worry in connection with the estate an offer was made that they should each be paid 100,000*l*. out of the residue and 60,000*l*. out of the business. But that offer had been dropped. Mr. Alex. Grant, K.C., Mr. Romer, K.C., Mr. Jenkins, K.C., and Mr. Maugham, K.C., also addressed the Court. His Lordship made an order that the venue should be London, and that the two other actions should be stayed.

A Mercury Transaction.—In the Commercial Court of the King's Bench Division of the London High Court on February 21, Mr. Justice Sankey heard an action brought by Arthur Marshall, Son & Co., Fenchurch Avenue, City, against Evans Sons Lescher & Webb, Ltd., Liverpool, to recover damages on account of the non-delivery of a quantity of bottles of mercury. Mr. Inskip, K.C., and Mr. T. Mathew were for the plaintiffs, and Mr. Greer, K.C., and Mr. Raeburn were for the defendants. It appeared from counsel's statement that the case for the plaintiffs was that they bought in May and July 1916 mercury from a Mr. Frank Mott, who was the agent of a Spanish firm named Hijos de Fernando Rus, of Barcelona, Mr. Mott intimating that the defendants would give delivery of the goods which they held in store for another Spanish firm called Barandiaram & Co., of Barcelona. Certain bottles were handed over, but others the defendants declined to deliver on the ground that their Spanish principals, Barandiaram & Co., had not been paid by the firm in Spain who bought the mercury from them. The defendants said that, acting for these principals, they had an unpaid vendors' lien on the goods. The plaintiffs had to buy other mercury at an enhanced price in order to supply their customers, and they said that the defendants could not exercise a right of lien as they had allocated mercury to this contract from that which they had in store. The contract was for 110 bottles at 1,660*l*. 6*s*. 3*d*., sixty bottles at 898*l*. 2*s*. 6*d*., and twenty bottles at 304*l*., and complaint was made of the detention of ten of the 110, thirty-five of the sixty, and six of the twenty. The defendants said that Barandiaram & Co. being unpaid vendors to Hijos de Fernando Rus (whose agent Mr. Mott was) were entitled to exercise a lien on the goods, and they instructed them (the defendants) to exercise their lien accordingly and withhold delivery. After Mr. Greer, K.C., had addressed the Court, evidence was given for the plaintiffs, also for the defendants, Mr. John M. Callender, the defendants' export manager, stating that the delivery was stopped on the instructions of their Spanish principals. There was no question of any particular bottle being allocated to the contract, as they had ample in stock. Mr. Justice Sankey, in his judgment, said that the plaintiffs contended that the defendants were estopped from setting up any defence to the action because the defendants had attorned to the plaintiffs' agents, and it was said that Barandiaram & Co. had consented to the sale to the plaintiffs and could not deny the authority of Mr. Mott or Rus to sell to the plaintiffs. The plaintiffs had bought two lots (sixty bottles and 110 bottles) from Mr. Mott. they knew that they were in the warehouse of the defendants, and were anxious to find if it would be safe for them to pay Mr. Mott and if the bottles were at Mott's disposal. It seemed to him the plaintiffs, believing that the defendants would hold the mercury at their disposal, paid Mr. Mott. He was of opinion that there was an attornment to the plaintiffs' agents, and he gave the plaintiffs judgment for 763*l*. 17*s*. 6*d*., and costs.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

MEDICAL WOMEN'S FEDERATION (W.L.O.).—Registered as a company limited by guarantee, not formed for profit, with 2,000 members, each liable to 1*l*. in the event of winding-up. R.O., 4 Arundel Street, W.C.

S. E. GREY, LTD. (P.C.).—Capital 500*l*. Objects: To carry on the business of dental mechanics and operators, etc. The subscribers and first directors are G. I. Green and B. Davis. Secretary, G. I. Green, 89 Upperton Road, Plaistow.

IRON JELLOID CO., LTD. (P.C.).—Capital 5,000*l*. Objects: To take over the business of manufacturing chemists, druggists, etc., carried on at 205 City Road as the Iron Jelloid Co. or the Jelloid Chemical Co. The directors are F. W. Warwick, Ph.C., and R. C. Warwick.

BUTLER'S MEDICAL HALL, LTD. (P.C.).—Capital 8,000*l*. Objects: To carry on the business of chemists, druggists, etc. First directors are Eliza J. Bell, Henry O'Connor, Ph.C., and Chas. Troughton. Qualification: E. J. Bell, 100*l*. Remuneration: E. J. Bell, 500*l*. per annum. R.O., 53 Lower Sackville Street, Dublin.

JAMES COCKLE & CO., LTD. (P.C.).—Capital 1,000*l*. Objects: To carry on the business of manufacturers of and dealers in pills and medicinal preparations. The subscribers (each with one share) are L. O. Johnson, 23 Avenue Road, Regent's Park, N.W., wholesale druggist, and T. McKenna, 31-4 Basinghall Street, E.C.

CARLTON CHEMICAL CO., LTD. (P.C.).—Capital 100*l*. Objects: To carry on the business of manufacturing, pharmaceutical, and analytical chemists, druggists, drysalters, manufacturers of and dealers in toilet requisites, etc.. The subscribers are E. G. Evans, Guildhall Buildings, Birmingham, manager Carlton Chemical Co., and G. E. Hayward, clerk.

FUERST BROTHERS, LTD. (P.C.).—Capital 100*l*. Objects: To carry on the business of Government contractors, manufacturers, importers, exporters, shippers, dealers and brokers of chemicals, oils, drugs, produce, minerals, ores, metals, chemical plant and photographic goods, general merchants, agents, etc. The subscribers are G. D. Adams and J R. Garrow. R.O., 17 Philpot Lane, London, E.C.

MALTO PEPTONE YEAST CO., LTD. (P.C.).—Capital 10,000*l*., in 1*l*. shares. Objects: To carry on the business of manufacturers of and dealers in brewer's yeast-food and other products formerly carried on at Needham Market, Suffolk, as the "Malto Peptone Co.," and to enter into an agreement with L. Briant, E. P. Hatschel, Emma C. Clowes, and A. J Walker, J.P., 44 Gloucester Terrace, Hyde Park, W.

GENATOSAN, LTD. (P.C.).—Capital 76,000*l*. Objects: To carry on the business of manufacturers of and dealers in foods, medicines, chemists, druggists, chemical manufacturers and dealers, etc., and to enter into an agreement with Lord Rhondda, A. Mitchelson, and J. S. Holmes (vendors). The subscribers are H. H. Mackworth and W. G. Asquith. Pursuant to the Trading with the Enemy Act, the Board of Trade has authorised the acquisition by this company of the undertaking of A. Wulfing & Co. R.O., 12 Chenies Street, W.C.

COLOMBO PHARMACY CO.—The accounts for the year ended September 30, 1916, show a balance of Rs. 11,785.30, out of which the directors recommend a dividend of 10 per cent. and a bonus of 2 per cent., which will absorb Rs.9,000, leaving a balance of Rs.2,875.30 to be carried forward.

CEREBOS, LTD.—The report for the year ended November 30, 1916, states that the profit amounts to 21,187*l*., and 7,070*l*. was brought forward, making 28,257*l*. In view of the uncertain outlook, the directors feel that it is in the best interests of the company that no dividend should be paid this year.

A. MILLAR & CO., LTD.—The annual meeting was held in Dublin on February 20. Mr. Fitzadam Millar, managing director, in the chair. The report was adopted authorising a final dividend (less income-tax) on the ordinary shares, making 12½ per cent. for the year. The sum of 2,000*l*. has been added to the reserve fund, and 5,265*l*. has been carried forward.

JOSEPH CROSFIELD & SONS, LTD.—The report for the year ended November 30, 1916, draws attention to the item appearing on the debit side of the balance-sheet, balance due to bankers 293,361*l*. This has been occasioned by the

purchase of large quantities of raw materials, and is fully set off by the increases in the items of stocks and investments appearing on the credit side of the balance-sheet. After providing for dividends on the preference and ordinary capital the directors have appropriated the available balance of profit by placing 23,280*l.* to reserve, 24,600*l.* to depreciation, and carrying forward 10,674*l.* to the next account.

INTERNATIONAL SPONGE IMPORTERS, LTD.—The net profit for the period ended December 31, 1916, after providing for all outgoings and depreciations, amounts to 16,830*l.*, to which is added balance from last account 671*l.*, making a total of 17,501*l.* This is to be appropriated as follows: Amount of preference share dividend for the year, 7,500*l.*; interim dividend of 2 per cent. paid upon the ordinary shares, July 31, 1916, 3,129*l.*; to general reserve, 933*l.*; to reserve for income tax, 78*l.*; to proposed final dividend of 3*l.* per cent. upon 156,438 ordinary shares of 1*l.* each, 4,693*l.*; leaving a balance to be carried forward of 1,168*l.* An interim dividend of 2*l.* per cent. was paid upon the ordinary shares on July 31, 1916. The directors now recommend that a further dividend of 3*l.* per cent. be paid, making a total distribution for the year of 5*l.* per cent. upon the ordinary shares. Since the end of the financial year a sum of 20,000*l.* of the new 5 per cent. War Loan has been applied for, making, with the 10,000*l.* 4½ per cent. War Loan which is being converted, a total holding of 30,000*l.* Mr. H. B. Marks and Mr. L. A. Cohen retire from the board, and, being eligible, offer themselves for re-election.

Birth.

STEWART.—At the Medical Hall, Letterkenny, co. Donegal, on February 15, the wife of Robert Stewart, of a daughter.

Deaths.

BRAND.—At 99 Park Road, Wallsend, on February 19, Mr. Roger Brand, chemist and druggist and postmaster. He qualified in 1885, and commenced in Wallsend as a chemist, a post-office being attached. As the district developed the postal business increased to such an extent that Mr. Brand gave up the drug side and devoted his whole time to the office of Postmaster. He took a great interest in Masonic matters and as Past-Master of the Tyne Lodge of Freemasons, of which at the present time Mr. Andrew Gaddes, chemist and druggist, is W.M., desired that the bearers at his funeral (which took place on February 21) should be from the Tyne Lodge. He leaves a widow, four sons, and five daughters.

CAMMACK.—At Botolph Street, Boston, on February 13, Mr. John Cammack, chemist and druggist, aged ninety-two.

GORMAN.—Private W. J. P. Gorman, Canadian Infantry, son of Mr. T. B. Gorman, registered druggist, Bangor, co. Down, was accidentally killed in France on February 7. A memorial service was held in Hamilton Road Presbyterian Church, Bangor.

LESLIE.—At 119 Ardgowan Road, Catford, London, S.E., on February 14, after a short illness, Mr. William Leslie, chemist and druggist, who carried on business at 118 Rushey Green, and 14 Muirkirk Road, Catford, London, aged thirty-seven. Mr. Leslie was a native of Falkirk, and served his apprenticeship with Bailie Sinclair there. Coming to London, he was an assistant with Parke's Drug Stores, Ltd., and while with them passed the Minor examination in April 1903, and after acting as their relieving manager, started in business at Catford as Leslie's Cash Pharmacy, where he was assisted by his brother, Mr. Frank Leslie, M.P.S., who is serving in the Army, but arrangements are being made to continue the business.

PARKER.—The death has occurred of Mr. Robert Parker, chemist and druggist, of Hermitage Street, Rishton, Blackburn, aged fifty years. The interment took place at Grey Harwood Cemetery on February 14.

PERCY.—At Waldemar Mansions, London, recently, Mr. Harry Fortescue Percy, aged forty-two. Mr. Percy was the second son of Mr. T. B. Percy, manufacturing chemist, Truro, and before the outbreak of war was a registration agent. When war broke out he joined the Royal Wiltshire Yeomanry, and was appointed A.D.C. some months later. Recently he obtained an appointment in London under the Ministry of Munitions. His death was due to pneumonia.

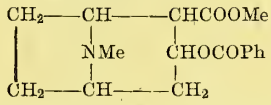
SCHWABE.—Dr. Wilmar Schwabe, homœopathic chemist, Leipzig, died on January 8, aged seventy-eight. The "Pharmaceutische Zeitung" states that he was the eldest son of Karl Robert Schwabe, and was born in Auerbach. His father was one of the founders of Gebe & Co., Dresden. Wilmar Schwabe studied at the Leipzig University, passed his final pharmacy examination in 1861, and obtained his doctorate on February 27, 1863, with a thesis on cinchonine. He devoted himself exclusively to homœopathic pharmacy, and was provisor in Taeschner & Co.'s homœopathic central pharmacy until, on January 1, 1866, he started a homœopathic business of his own, with which, in April 1870, he associated a homœopathic publishing business.

Chemical Society.

DR. ALEXANDER SCOTT, F.R.S., presided at the meeting held at Burlington House, Piccadilly, W., on February 15, when Dr. F. L. Pyman, director of the Wellcome Chemical Research Laboratory, read Part II. of his work on the "Relation between

CHEMICAL CONSTITUTION AND PHYSIOLOGICAL ACTION

in certain substituted amino-alkyl esters." This was a continuation of work with which Dr. H. A. D. Jowett was associated, and the substances described had been prepared at the Wellcome Chemical Works and tested at the Wellcome Physiological Laboratories. Dr. Pyman gave a *résumé* of what had been done already with regard to showing these relationships in such compounds. He explained how cocaine is derived from ecgonine, and so from tropine, giving the formula:



By substituting hydrogen for the methyl group attached to nitrogen a substance more active, but unfortunately more toxic, than cocaine was produced. Substitution in the methyl of the carbo-methoxyl group did not produce any great variation in the effects of the compound as a local anæsthetic. Substitution of the benzoyl group by other acids showed that the *o*-chloro, the *m*-nitro, and the *m*-hydroxy derivatives still possessed anæsthetic properties, while the results in the case of the *m*-amino, cinnamyl, and phenylacetyl derivatives were negative. The carbomethoxyl group was shown to be non-essential to the anæsthetic properties of cocaine. Neither was a double or even single ring structure necessary, as eucaine, stovaine, novocaine, and alypin still possessed these properties without having a ring-structure similar to that of cocaine. Dr. Pyman showed that the introduction of a methylene group between the phenyl and carboxyl groups of ethyl-*p*-amino benzoate (anæsthesine) and of diethyl amino-ethyl-*p*-aminobenzoate (novocaine) was accompanied by complete loss of local anæsthetic action, the compounds examined, ethyl-*p*-amino-phenyl acetate and diethyl amino-ethyl-*p*-aminophenyl acetate, being quite inactive. The amino alcohol, β-diethyl-amino-β'-phenoxy isopropyl alcohol, $PhOCH_2CH(OH)CH_2NEt_2$, produced a distinct degree of local anæsthesia, but its benzoyl derivative gave salts so acid in reaction that they could not be tested physiologically. It was mentioned that *p*-amino benzoyl-*p*-phenetidine has no local anæsthetic properties. It was also pointed out that the nature of the alcohol radical, whether primary, secondary, or tertiary, has apparently no bearing on the presence or absence of anæsthetic action.

Dr. J. C. Phillips then read a paper on the

DEHYDRATION OF SOME HYDRATED DYESTUFFS.

This work was specially interesting from a phase-rule point of view. Taking the three-phase system—anhydrous salt, hydrate, and water-vapour—a definite equilibrium pressure of vapour is reached which is independent of the relative quantities of solid phase present. Thus, when plotting a curve of pressure of water-vapour against water held by 100 grams of salt, a discontinuous curve is obtained in the cases of hydrate formation, but in certain special cases, such as with the zeolites and with magnesium platinocyanide, where adsorption or some such phenomenon takes place, a continuous curve is obtained. Dr. Phillips has investigated the dyestuffs methylene blue, crystal violet, and pararosaniline hydrochloride, exposing a weighed quantity to the action of varying strengths of sulphuric acid in a special apparatus to reduce the possibility of suspended transformation to a minimum, and the results obtained were communicated in the paper.

ITALIAN CITRIC ACID.—A new company, with a capital of 1,700,000 lire, has been floated in Messina to manufacture citric acid.

Pharmaceutical Society of Ireland.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on February 13, Mr. James Tate (President) in the chair. Messrs. James Michie (Vice-President) and G. D. Beggs (Hon. Treasurer), Dr. A. J. Barnes, Messrs. Thomas Batt, Richard Blair, Wm. J. Hardy, John Smith, D. M. Watson, and A. Owen Wells were also present. A letter of thanks from Mrs. J. I. Bernard for the vote of condolence passed last month in respect to her late husband was read by the Registrar.

CHANGES OF ADDRESS.

Communications were received from the following notifying changes in their addresses:

Mr. W. J. Moore, Ph.C., from 1 Annesley Street, Belfast, to c/o J. & J. Canavan, Ltd., chemists, High Street, Portadown.

Mr. W. Nesbitt, Ph.C., from 93 Shankill Road, to 106 Old Lodge Road, Belfast.

Mr. H. F. Moore, Ph.C., to Moore's Pharmacy, 134 Royal Avenue, Belfast.

Mr. Horace J. Neeson, Ph.C., to 680 Romford Road, Manor Park, London, E.

Dr. S. V. O'Connor, Ph.C., to Westgate, Wexford.

Mr. G. A. Turner, Ph.Assistant, from Holywood Road, Belfast, to 12 The Forgate, Worcester.

Mr. J. Rehan, R.D., to Bridge Street, Killaloe.

Mr. John Leavy, R.D., from Castleblaney to 22 Patrick Street, Mountmellick.

PRELIMINARY REGISTRATION.

Miss J. Dowling, Messrs. H. A. L. Cole, M. Deason, C. Doherty, A. A. Henry, C. P. Lucey, E. C. Lyons, and J. J. O'Donnell submitted certificates of other bodies, and were admitted to preliminary registration.

CARBOLIC-ACID PREPARATIONS.

The Registrar read a communication from the Under-Secretary, Dublin Castle, enclosing copies of Orders in Council, dated January 25, 1917, made under the Poisons and Pharmacy Act, 1908, (1) adding preparations of carbolic acid to the substances mentioned in Section 2 (1) of the Act, which may be sold for agricultural and horticultural purposes; (2) making regulations under Section 2 (1) to the effect that the following be added to poisonous substances therein mentioned after the words "alkaloids of tobacco":

"Any liquid preparation of carbolic acid and its homologues, provided that such poisonous substance shall be contained in a closed vessel distinctly labelled with the word 'poisonous,' and the name and address of the seller, and a notice of the special purpose for which such preparations are intended."

The regulations provide that a licence shall not be granted to any person unless the local authority are satisfied that he is fit, by education and intelligence, to be entrusted with the sale of the poisonous substances and has made suitable provision for the separate storage of the same in a distinct and separate part of the shop or building where he proposes to sell them; that in granting licences for the sale of poisonous substances for use exclusively in horticulture, preference shall be given to nurserymen, florists, seedsmen, and other persons whose business is specially connected with horticulture; that no licence for the sale of poisonous substances shall be granted to a person who is illiterate or to any person who is under the age of twenty-one years.

MEMBERSHIP.

On the motion of Mr. SMITH, seconded by Mr. BEGGS, Messrs. Louis H. Parkes, Ph.C., Dublin, David McGahie, Ph.C., Ranelagh, Charles Sweeney, Ph.C., Holywood, and Joseph Walsh, Ph.C., Dunmore, were elected members of the Society. On the motion of the VICE-PRESIDENT, seconded by the PRESIDENT, Mr. Ion A. Clarke, Ph.C., 3 Phœnix Terrace, Blackrock, was nominated for membership.

The University of Birmingham was thanked for the 1916-17 Calendar.

The Registrar submitted certificates of the deaths of Mr. J. I. Bernard, M.P.S.I., Dublin, and of Mr. T. J. Rainey, M.P.S.I., late of Derry.

PRELIMINARY EXAMINATION REGULATION.

At the last December meeting of the Council Mr. John Smith submitted a motion respecting the Preliminary examination, which was referred to the Law and House Committees jointly. He now stated that it had been very carefully considered, and was submitted in the following motion:

"That the Regulation dealing with the acceptance of Preliminary examinations held by other bodies (*vide* Calendar 1917, pages 97 and 98) be rescinded, and the following substituted therefor:

'The following examinations are also accepted:

The Matriculation or Preliminary examination of the University of Dublin, Public Entrance examination (large certificate).

The National University of Ireland Matriculation examination.

The Queen's University of Belfast Matriculation examination.

The Royal Colleges of Physicians and Surgeons, Ireland, Preliminary examination.

The Intermediate Education Board for Ireland, Junior, Middle, or Senior Grade examinations in the following subjects:

English, Latin, Arithmetic, Algebra, Geometry, and one of the following subjects: Greek or a modern language; *all the subjects having been passed at one time.*

Also such examinations as shall be deemed by the Pharmaceutical Council as equivalent thereto. Any such examination to be passed prior to the statutory service at pharmacy, unless such service has been commenced before 1st January 1907. The usual fee of two guineas to be paid.'"

The italicised parts of the regulation are additions, and a change ("also" for "or") from the motion as submitted originally (*C. & D.*, December 23, 1916, p. 44). Mr. SMITH explained that the new form will give the Council more freedom in accepting certificates that may be presented to them. In reply to a question by Mr. WATSON as to accepting examinations which are not all passed at the same time he said, "That is the interpretation of it." Dr. BARNES seconded the motion, which was unanimously adopted.

THE WAR LOAN.

Mr. BEGGS proposed, the VICE-PRESIDENT seconded, and the PRESIDENT supported, the following motion, which was unanimously adopted:

"That three hundred pounds (300*l.*) of the 5 per cent. War Loan, 1929-1947, be subscribed for in the name of the Pharmaceutical Society of Ireland."

EXAMINATIONS.

The Registrar submitted reports from the examiners upon the Preliminary, Registered Druggist, Pharmaceutical Licence, and Pharmaceutical Assistant examinations. For the Preliminary examination twenty-nine candidates presented themselves, of whom sixteen passed. For the Registered Druggist examination seven candidates presented themselves, of whom three passed. For the Pharmaceutical Licence examination twenty-two candidates presented themselves, of whom eleven passed, six passing with honours. A lady (Miss Brown), daughter of one of the examiners, got gold medal marks and first place. Another candidate (Mr. Meban) also got gold medal marks. For the Pharmaceutical Assistant examination there were six candidates, of whom five passed.

The pharmaceutical licences of the following were directed to be sealed: P. J. O'Grady, P. Brady, P. S. Flynn, Bridget F. Meehan, Norah E. Brown, E. Montague, J. Meban, C. Crowley, J. McCaughey, Sheila Forde, and F. Loughman.

The Registrar also submitted reports from the Law and House Committees.

Personalities.

ALDERMAN W. R. SELLECK, Ph.C., Stourbridge, has been appointed a Justice of the Peace for Worcestershire.

MR. PHILIP F. ROWSELL, J.P., has been re-elected Chairman of the South-Western Joint Pricing Committee.

MR. GEORGE HALLER continues the business of Geo. Haller & Co., 52 Leadenhall Street, London, E.C., as sole partner.

MR. ISAAC T. LLOYD, pharmacist, 267 King's Road, Chelsea, has been elected a Vice-President of the Chelsea Traders' Association.

MR. A. E. HOBBS, Ph.C., Tunbridge Wells, was on February 14 presented by the brethren of the Holmesdale Lodge of Freemasons, of which he is a Past Master, with a Provincial Junior Grand Warden jewel.

MR. G. H. WARRELL, formerly with Hockin, Wilson & Co., has joined the travelling staff of D. & W. Gibbs, Ltd., City Soap Works, E., and will represent them in North Wales, part of the Midlands, and Lincolnshire.

SIR ALFRED KEOGH, G.C.B., Director-General of the Army Medical Service, was entertained to dinner by the Royal Society of Medicine at the Café Royal on Monday, February 19, Sir Rickman J. Godlee, Bart., F.R.C.S., being in the chair.

MR. C. T. KINGZETT, F.I.C., F.C.S., the inventor of "Sanitas" and head of the company, has renewed his youth by writing "Chemistry for Beginners: A Book for Use in Primary and Public Schools," which is published by Baillière, Tindall & Cox at 2*s.* 6*d.* A first glance through it recalled the pleasure and profit obtained from Mr. Kingzett's "Alkali Trade," now a bibliographic rarity.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Exchange Value of Lead.

In the course of a reply to Sir William Pearce on February 19, Dr. Addison stated that steps will be taken shortly to fix maximum prices for manufactured lead based on those now fixed for virgin and scrap lead.

Shops Closing Order.

The suggestion is to be made to the Home Secretary that as the existing closing order for shops expires on April 30, the arrangement which has proved so beneficial should be continued during the war or made permanent.

Manipulative Surgery.

In the House of Commons on February 20, Mr. Ian Macpherson, M.P., on behalf of the War Office, declined to appoint a Committee of Experts to inquire into the question of utilising manipulative surgery for wounded soldiers.

Registration of Business Names.

The Board of Trade announces that legislation for carrying out the principles of the Business Names Registration Act in regard to limited companies is under consideration, but that no date can be named for the introduction of a Bill.

Sugar and Non-alcoholic Drinks.

Captain Bathurst, M.P., announced in the House of Commons on Wednesday that an order would shortly be issued relating to the restriction of the use of sugar in the manufacture of lemonade, ginger-beer, gingerade, and other aërated beverages.

Tooth-paste for Prisoners.

Lord Henry Cavendish-Bentinck, M.P., was informed by the representative of the Foreign Office in the House of Commons on Wednesday that tooth-paste is allowed to be sent by relatives of civilian prisoners in Germany provided it is not forwarded in sealed receptacles.

Export of Morphia and Morphia Salts.

Sir William Collins, M.D., M.P., proposes to ask the President of the Board of Trade on Monday next to state the total amount of morphia and morphia salts of British manufacture exported to Japan, including Formosa and the leased territories in China, during 1913, 1914, and 1915, and the value thereof.

Census of Production.

On behalf of the Board of Trade Mr. G. H. Roberts introduced on February 20 a Bill to amend the Census of Production Act, 1906, with respect to the times at which the census of production may be taken. Power is to be given to the Board of Trade to suspend the taking of the census for the time being, owing to the general commercial dislocation caused by the war.

Castor Oil and Soap.

In the House of Commons on February 15, Lord Robert Cecil, M.P., informed Commander Bellairs that the quantity of castor oil which it was agreed should be imported into Denmark in 1916 was 110 tons, of which only 58 tons was imported during the year. The Commander also asked: "Is not that quantity very excessive to allow for medicinal purposes?" and Lord Robert said he did not think it is for all purposes. The quantity is based upon the previous imports into Denmark. Lord Robert also informed the Commander that the exports of soap from this country to Holland amounted in 1916 to 2,808 tons. No available statistics show the exact amount of exports of soap from Holland to the enemy.

Criminal Law Amendment.

A Bill to make further provision with respect to the punishment of sexual offences and the prevention of indecent advertisements, and matters connected therewith, was introduced by the Home Secretary (Sir George Cave) on February 15, and read a first time. The Bill consists of eleven clauses and a schedule. Clause 2 makes it an offence for a person suffering from venereal disease in a communicable form to have sexual intercourse with any other person or solicit or invite any other person to have such sexual intercourse. The expression "venereal disease" means syphilis, gonorrhœa, or soft chancre, or any disease of the genito-urinary organs which may reasonably be suspected to be venereal disease. Clause 7 is of special interest to the drug-trade, it being an extension of the Act to Suppress Indecent Advertisements, and is as follows:

(1) The Indecent Advertisements Act, 1889, shall be extended as follows:

(*a*) A person who publishes by way of advertisement, or causes to be so published, any picture or printed or written matter which is of an indecent or obscene nature, shall be guilty of an offence under section three of that Act and punishable accordingly;

(*b*) A person who gives or delivers to any other person any such picture or printed or written matter with intent that the same should be published by way of advertisement, shall be guilty of an offence under section four of that Act and punishable accordingly;

(*c*) The maximum penalties under sections three and four of that Act shall be one hundred pounds and six months' imprisonment instead of forty shillings and one month's imprisonment and five pounds and three months' imprisonment respectively, and those sections shall have effect accordingly;

(*d*) The following section shall be submitted for section five:

"Any advertisement relating to syphilis, gonorrhœa, nervous debility, or other complaint or infirmity arising from or relating to sexual intercourse, *and any advertisement which suggests, directly or indirectly the use or taking of any appliance, drug, substance or thing, for the purpose of procuring miscarriage or abortion, or which suggests, directly or indirectly, that any premises are or can be used for immoral purposes*, shall be deemed to be printed or written matter of an indecent nature within the meaning of section three of this Act."

(2) Nothing in the Indecent Advertisements Act, 1889, as amended by this Act shall apply to any advertisement by any local or public authority, or to any advertisement published in any *bona-fide* medical or pharmaceutical publication or pharmaceutical trade list; and a person charged under that Act as so amended with publishing an advertisement, if he is not himself the advertiser, shall not be convicted if he proves that he did not know, and had no reasonable ground for suspecting, that the advertisement was of such a character as to make the publication thereof an offence.

We have underlined Sub-section *d* so that our readers may compare it with Section 5, which is printed in the *C. & D. Diary*, p. 377. The Bill was read a second time in the House of Commons on Monday, February 19.

The Home Secretary moved the second reading in a speech which referred generally to the moral aspects of the measure, and was followed by Mr. Herbert Samuel, Mr. Glyn-Jones, Lieutenant-Commander Wedgwood, Mr. Rawlinson, and others, after which the second reading was agreed to. Mr. Glyn-Jones in his speech recalled what was done by the Select Committee on Patent Medicines, and suggested that Clause 7 was an attempt to give effect to one of the recommendations of the Select Committee. He then dealt with the phraseology of 7 (1) (*d*), saying that if the aim was offering treatment of the diseases mentioned, or advertisements of remedies for them, he thought the word "advertisement" must be accompanied by some other words, and he advised the Home Secretary to look into the Medicine Stamp Act, 1812, which would assist him in getting words much better than those in the Bill. Mr Glyn-Jones then told the House what had been done before the Patent Medicine Committee about quack remedies, and how the official journal of the British Medical Association had been produced before it to show advertisements advocating the use of proprietary medicines. In that connection he referred to Sub-section 2, saying:

"I can understand the medical profession saying that the general public ought not to be told in public advertisements of any remedies for these diseases. The case they make out is a good case, that anyone suffering should go and be treated by a properly qualified medical man; but it comes rather ill from the medical profession to say, 'We want you still to permit the proprietors of these remedies to tell us in our journal what these things are used for.' Is it suggested that the medical profession must be driven to the advertisements of these proprietors to tell them in their own technical journals what are the remedies which they ought to prescribe to their patients? It seems to me that there can be no excuse for the medical profession asking that advertisements in their own papers setting out the uses which proprietary medicines are to be used should be exempted from the clause. No one spends money on advertising something which can be bought in the open market. The money is spent by the proprietors of a particular remedy, and I say that it is not creditable to the medical profession that they should claim the right of being told by the proprietor of a secret remedy what its use is for; and I do not think the resources of the medical profession are so limited that it is necessary for them to go to their technical journals and the advertisements of proprietors of remedies to learn what are the remedies which should be used for diseases they are about to deal with. There is a strong practical reason why this provision should come out."

The hon. member proceeded to say that he questioned if the latter end of the clause is justifiable, and hoped that this would be made clear, then there would be no excuse for any newspaper or journal publishing an advertisement which was objectionable.

Mr. Denniss also spoke on the same clause, asking what is the use of prohibiting advertisements and not prohibiting the sale? If these are secret remedies of which nobody knows the composition they ought to prohibit the sale.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Derbyshire.—The Insurance Committee at their meeting on February 19 congratulated their Chairman (Mr. T. Cornwell) upon his appointment as Chairman of the North-East Midland Pricing Bureau. Mr. Cornwell stated that during the past eleven months the Bureau had dealt with over one and a half million prescriptions and 6,900 chemists' accounts, the Derbyshire contribution to which totals was larger than that of any of the other constituent Committees.

Essex.—A meeting of the Pharmaceutical Committee was held on February 13 at River Plate House, London, E.C. The revised form 158 I.C. was received from the Commissioners and discussed. This will have the effect of making the total of stock mixture dispensed part of a bulk mixture, and as such not liable to examination as an individual prescription. By this means samples of stock mixtures would only be taken for analysis in the ordinary way, and referred to the Pharmaceutical Service Sub-Committee. This applies to stock mixtures only. A letter from the Commissioners was read giving their interpretation of the closing order under the Defence of the Realm Act. The Secretary was instructed to point out that this seems to be at variance with the reading of the Order by the Committee, also that an adequate service is maintained to meet urgent requirements. A medical complaint was investigated and a report forwarded to the Insurance Committee to show that the complaint is not well founded. A complaint by a chemist was gone into, and it will be referred if necessary to the Joint Committee. The late dispensing-fee *impasse* was tackled again, the Chairman presenting a report of a conference between the three bodies concerned. The matter was again deferred.

Liverpool.—A meeting of the Pharmaceutical Committee was held on February 13. Mr. A. W. Ashcroft, Aigburth Road, was co-opted in place of a member whose seat has become vacant through non-attendance. In regard to checking the prescriptions for the current year the Committee thought that a charge at a rate per 1,000 would be more equitable than a levy calculated upon the amount of the drug-fund. The Central Checking Bureau, however, is only willing to do the work on the latter terms, and as no alternative presented itself the Committee decided to enter into agreement with the Bureau for 1917. Two circular letters were read from the Pharmaceutical Society requesting information of pharmacists or assistants serving in the Army who are not fit for general service or garrison duty abroad. A letter is to be sent to each pharmacist in the Liverpool district asking for the particulars required. Mr. W. H. Clubb expressed the sympathy of the Committee with Mr. R. E. Lloyd in the loss which he has suffered by the death of his mother.

London.—A meeting of the Insurance Committee was held at the County Hall, Spring Gardens, S.W., on February 22. A good deal of the time of the meeting was occupied with a consideration of the report of the special Sub-Committee appointed to consider and report on the correspondence with the Insurance Commissioners on the subject of the funds available for the purpose of Sanatorium Benefit. The main suggestions were that the Exchequer should restore the full 1*s.* 3*d.* originally intended for Sanatorium Benefit and that powers should be obtained to maintain control of tuberculous patients until they are cured. The report of the Finance Sub-Committee included recommendation for payments to chemists for 1914 of 120*l.* 19*s.* 3*d.*; 1915, 9,325*l.* 1*s.* 1*d.*; and 1916, 8,239*l.* 17*s.*

Rochdale.—At the meeting of the Insurance Committee on February 12, the new clause in chemists' contracts regarding the analysis of medicines was mentioned. It was considered that this would counteract the impression that the medicine supplied to insured persons is inferior. Alderman Blomley remarked that the prejudice existed, but no chemist would stoop so low as to give medicine other than that ordered by the prescription.

West Riding.—A meeting of the West Riding Pharmaceutical Committee was held at Leeds on February 13, Mr. F. Pilkington Sargeant in the chair. It was reported that the Sub-Committee dealing with emergency-dressings for surgery use has had several meetings recently. The representatives of the Panel Committee are in favour of chemists supplying dressings for surgery use as before, but it was decided that, until a reasonable profit is granted on bulk-dressings, chemists should be again advised to refuse to supply dressings in bulk to doctors for surgery use. The report of the Central Checking Bureau was considered, and, as it was found that the work done by the Bureau during the past year had resulted in a considerable saving to chemists, it was resolved that the scheme of the Central Checking Bureau for 1917 should be accepted. The checking of 10 per cent. of the prescriptions at 12*s.* per 1,000 on chemists' accounts will be more economical than the last year's method, and, if it is found that a further scrutiny is necessary, it can be done by a mutual arrangement with the Bureau. It was resolved that a second check of certain months of 1916 is not necessary. The discussion on the Pharmaceutical Society's circular on Tariff revision proved the desirability of an effort to obtain better terms, and it was decided that the individual members of the Committee should supply the data required and submit them to the next meeting. The expenses of the Pharmaceutical Committee for 1916 were presented and passed. When paid, there will be a balance in the hands of the Insurance Committee which, together with a saving in checking, should largely reduce the deductions from chemists' accounts for 1917. The Joint Committee dealing with recruiting have had many meetings during the past year, and may yet have to consider further demands by the military authorities.

WALES.

Monmouthshire.—The Insurance Committee at its last meeting gave permission to Mr. D. Harries, Queen Street, Cardiff, and Mr. E. B. Sumption, Fleur-de-Lys, Blackwood, to withdraw from the panel of chemists. The Committee has received from the Welsh Commissioners a letter relating to the procedure for crediting the Cardiff Insurance Committee pricing establishment with funds to defray the current administration, and suggesting that the most convenient course would be for the Committee to authorise the Commissioners to pay, on the Committee's behalf, advances based on the best information available on account of the amount payable under the agreement for checking prescriptions.

Newport.—The Insurance Committee has informed the Insurance Commissioners that it is still of opinion that the retention on the panel of Messrs. C. C. Giles, Latimer Davies, T. J. Badgett, and Flint, local chemists, is necessary to ensure adequate provision of drugs and appliances in the borough.

Publisher's Notes.

Our 1917 Volume.—The title-page and index are in the press, and copies will be sent free to all who apply for them to the Publisher.

Export Trade.—The annual Export Merchant Shippers' Issue of The Chemist and Druggist will be published on March 10. Advertising space in it can be obtained only by arrangement with the Publisher.

Earlier Closing for Press.—The Publisher informs advertisers that it is now necessary to put the advertising pages of The Chemist and Druggist to press on Tuesday instead of on Thursday morning. Advertisers will oblige by sending in their copy so that it reaches 42 Cannon Street on Saturday morning previous to the date of issue. This will enable our printers to prepare and submit proofs should these be required.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

219/16. Malted milk in bulk.
221/3. "Therol" laxative preparation.
224/2. "Sweet Runch."
237/27. Mencière's (of Rheims) antiseptic solution.
223/21. Bell's antiseptic floral spray.

INFORMATION SUPPLIED.

Bastick's hyoscyamus, 216/21
"Blanchol," 202/15
"Blue Jay" corn-plasters, 199/57
Capsuling-machinery, 217/44
"Drummer" dyes, 203/32
Godfrey's inhaler, 205/70
Gummed-paper tape, 203/24
Hair socks, 213/49
"Iodomints," 227/18
"Kergold" belt, 217/37
Novocain (British manufacturers), 215/46
Odol preparations, 216/64 and 217/32
Oil plant, 222/18
"Perloids," 222/2
Typhol, 210/10
"Veldt" cream, 213/16
Vintage toilet-soap, 210/22
"W" brand poison-bottle, 209/50

Observations and Reflections.

By Xrayser II.

The Defeat of the Formula-disclosure Measure of the Australian Senate will be welcomed with satisfaction by all British pharmacists. The requirement was, as I said at the time, quite obviously meant as a protection not of the public but of the Australian manufacturer, and its withdrawal was demanded quite as much by considerations of public utility as by the principles of abstract justice. The publication of the formula may or may not be a good thing in itself, but if it is enforced at all it ought to be universally enforced.

The Stock-mixture Problem does not, like the mixtures themselves, improve on further acquaintance. I would have expected that the exposure made by some of your correspondents of the extremely unsatisfactory keeping properties of many of these mixtures would have deterred the authorities from sanctioning their being put up in bulk quantities. This appears to me to be a thoroughly retrograde step, and just that sort of differentiation between insured and non-insured persons which was so "unanimously and emphatically" condemned in Glasgow.

"Scrip," a correspondent informs me, is more in use among "everyday pharmacists" than "script." I am sorry to hear it, for not only do all the objections that can be urged against the latter form apply to it with added force, but it has the further disadvantage of being an even less obvious contraction of "prescription." Etymologically, "scrip" is a weakened form of "scrap," and one does not like to think of a prescription as "a scrap of paper"; it is the reduction of what should be a document of great pith and moment to the level of a German treaty, whose end is in the waste-paper basket. "Scrip," moreover, is, or used to be, a term of contempt, meaning a scornful grimace, such as professional courtesy should forbid in this connection! Let us keep the old word in use in its full form while we can.

The New Glycerin Memorandum will place in a very difficult position those pharmacists whose stock of glycerin is *not* sufficient to meet even the reduced dispensing requirements, and there may be a good many who are in this position. They will apparently be unable to obtain a supply from the wholesale houses, and they will not know where else to apply. It may therefore happen that some men will be unable to dispense prescriptions which their neighbours can dispense. This is the more unfair because the not having laid in a large stock of glycerin is from the Government's point of view rather meritorious than otherwise, but obviously to be ultra-patriotic is not a paying game. The practical inconvenience that the new memorandum may cause will perhaps not be great, but great or small it will act unfairly, and some provision ought to be made to prevent it.

A Ludicrous Blunder in dealing with a chemical term, in a translation in the French Yellow Book of a document relating to the murder of the Austrian Archduke out of which the war arose, has escaped the notice of the English translator of the book, and is faithfully reproduced in our version. The original document stated that the assassins were provided with a quantity of "Zian Kali" (cyanide of potassium) in order that they might be able to commit suicide after the deed was done. The French translator took "Zian Kali" for a personal name, and the result appears in English thus: "They therefore suborned Zian-Kali, pointing out that the two culprits must commit suicide after the crime!" This personification of a poison into an accomplice recalls that of the title of Johnstone's Appendix to the History of Plants into an author, in D'Aquin's Memoir on the Preparation of Bark, and though not quite so funny as some other of the literary blunders noted by the elder D'Israeli, it is as bad as any of them.

The Eight-hours' Day proposed by John Knight, Ltd., together with the continuous running of the machinery by adopting the three-shift system, is one of those daring experiments that are obvious only after some adventurous firm has proved how successful they are in practice. That this particular change will be an improvement all round there can be no room for doubt. The adoption of the three-shift system will mean the employment of more than double the present hands, a particularly useful expedient for absorbing the surplus labour when the boys come home, and the continuous running of the machinery will simply halve the overhead charges, for it will enable manufacturers to double their output without in any way increasing their rent, rates, or office expenses, while the saving in capital expenditure will also be a far from negligible quantity. All this means reducing the cost of the soap or other manufactures, and increasing the profits; and if profit-sharing schemes on mutually advantageous lines can be adopted, the changes would go far to solve the most pressing problems in front of us, even without the protection of industries so eagerly desired by some.

Society of Chemical Industry.

An informal meeting of the London Section was held at the Birkbeck Café, High Holborn, W.C., on February 19, Mr. Arthur R. Ling in the chair.

Presentation to Mr. Morson.

After the minutes of the previous meeting had been read, the Chairman made a presentation to Mr. Thomas D. Morson, Hon. Secretary of the Section, on the occasion of his marriage. This took the form of a handsome silver tea-tray and silver-mounted manicure-set. The Chairman paid a tribute to the tactful manner in which Mr. Morson had carried out his duties during the three years he has been Hon. Secretary. Mr. Walter F. Reid also spoke, mentioning that the money for the testimonial had been raised by subscriptions, limited in amount, so as to enable all to show their appreciation of Mr. Morson. He stated also that the price of silver had advanced 6*d*. an ounce since the tea-tray was purchased. Mr. Morson, in reply, thanked the members for the good will that had been shown him. The war broke out soon after he had accepted office as Hon. Secretary, and this brought with it a great increase of work in his business. It would have been impossible for him to have done the work of his office without the help he received from Dr. Hodgkinson and Mr. Ling. Mr. Morson then went on to refer to his efforts to develop the social activities of the Section, and mentioned that he had found it helpful to keep in touch with the other centres of the Society. The London Section, containing a quarter of the whole membership of the Society, really requires one man's time to look after it.

The Chemical-club Scheme.

The Chairman then called upon Mr. H. E. Coley to present the report of the Sub-Committee appointed on December 19 to consider the steps that should be taken to form a chemical-industry club. Inquiries were instituted which showed that at least a thousand pounds would be needed for the experiment. The Sub-Committee laid down the general principles upon which the club should be founded as follows: The membership should not be limited to the London Section, but members must belong to the Society of Chemical Industry. The subscriptions suggested were one guinea per annum, half-a-guinea for juniors, and five shillings for country members. It was judged, however, to be unwise at the present time to appeal for the funds needed as capital, hence the Sub-Committee referred the matter back to another meeting for further discussion, with a recommendation that the old dinner club be revived on a broader basis, with small subscriptions, to meet oftener and be open for informal discussions and demonstrations.

A long discussion followed, but eventually it was decided to meet informally at the Birkbeck Café twice a month. This, it was thought, would lead to the development of the club idea.

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Editorial Articles.

Cutting Down Imports.

The Board of Trade announces that a proclamation will shortly be made prohibiting the importation, except under licence, of a large number of commodities. It reserves the right to refuse licences to goods of the prohibited classes unless they were shipped to or paid for by a consignee in the United Kingdom before Saturday, February 17. The Prime Minister is to explain on February 23 the necessity for further reduction on imports, and it is believed that the proposals will be very drastic. It may not be a mere question of cutting off luxury imports, but of cutting off imported supplies of many necessary materials and commodities. Meanwhile the Board of Trade has been making inquiries of City merchants as to stocks of various products, and certain articles have been selected which are of drug-trade interest. As to these, the official list must be awaited. Mincing Lane has already been anticipating, it being conjectured that certain spices and gums may be selected for restriction; and as forward buying is practically at a standstill, spot prices of several articles (pepper, ginger, pimento, etc.) have had a sharp advance, and foodstuffs like tapioca, sago, beans, tea, and cocoa also show an all-round rise in values. It cannot be said that the submarine menace is responsible for the rising prices; rather is the rise due to the continued lack of freight and shipping difficulties, which restrict business all round, so that actual spot stocks necessarily increase in value.

Carbolic Acid in Ireland.

We ask our readers in Great Britain and Ireland to note that the Irish Privy Council has added to agricultural and horticultural poisonous substances of the Poisons and Pharmacy Act, 1900, liquid preparations of carbolic acid (see p. 48). This has been done for the purpose of making such liquid preparations saleable under a horticultural poisons licence, but the effect is to enable such licensed persons to sell

"Poisonous substances to be used exclusively in agriculture or horticulture for the destruction of insects, fungi, or bacteria, or as sheep-dips or weed-killers, which are poisonous by reason of their containing arsenic, tobacco, the alkaloids of tobacco, or any liquid preparation of carbolic acid and its homologues."

This specifically limits the character and purposes of articles sold. Any reader who is not familiar with the legal details should turn up p. 355 of the *C. & D. Diary*, 1917, and see for himself how matters stand. Carbolic acid has been a poison in Ireland since June 17, 1897, and three years later it was added to the Great Britain schedule, but in a style which excludes solid forms, such as carbolic soap and paste dips, as well as liquid preparations containing less than 3 per cent. On October 11, 1912, the Privy Council of Great Britain added to the Poisonous Substances of Section 5 of the Poisons and Pharmacy Act, 1908, "all liquid preparations sold as carbolic," etc., and now the Irish Privy Council adds "liquid preparations of carbolic acid" to Agricultural and Horticultural Poisons. The licensed vendors are to be allowed to sell these only in closed vessels labelled "Poisonous," and with their name and address and the special purpose for which the preparations are intended. The fact that the Irish Privy Council has worked under Section 2 instead of Section 5 seems to be due to the difference between the Irish and British

scheduling, and the Section 2 conditions may be regarded as being more careful and stringent than was the 1912 addition to the Poisonous Substances class. It is to be hoped, therefore, that the new order will not be adopted in Great Britain. Agricultural and horticultural preparations of carbolic acid which are used in England, Scotland, and Wales are of the types which our poisons schedule does not interfere with, and there is no demand for a change.

More about Storax.

The present shortage in storax affects a wider circle than pharmacy, for the gum-resin is more used in compounding perfumery than in making friar's balsam. It is understood that, although the majority of wholesalers are in short supply, some who had bought ahead, having anticipated the shortage, are able to keep up their stocks of tr. benz. co., as mentioned by Mr. C. A. Hill in the *C. & D.*, February 10. Our present observations are chiefly in respect to storax required in perfumery. A good many years ago it was pointed out in our columns that much of the commercial storax was impoverished by the removal of cinnamic acid, to the compounds of which the peculiar odour of storax is due. The Revision Committee of the British Pharmacopœia looked into the matter, and Mr. John C. Umney wrote on the subject in the "Perfumery and Essential-oil Record," June 1911. An exhaustive paper on the matter by Messrs. C. A. Hill and T. T. Cocking was published in the *C. & D.*, March 16, 1912, p. 52, and supplementary remarks in our issue of May 25, 1912, p. 61. It was shown that the cinnamic-acid content of storax may go below 3 per cent., although 30 per cent. is about the normal figure, but the British Pharmacopœia requires only 20 per cent. of the acid in the prepared storax, which represents at least 16 or 18 per cent. in the imported article, but more is really shown by the best gum-resins. Under these circumstances, it may be that, if attention were directed to other sources of cinnamic acid, it might pay better to utilise them for perfumery purposes, and to leave the storax untouched for medicinal use. The liquid balsam of *Liquidambar styraciflua*, known in the United States as sweet gum, and used in the preparation of chewing-gums, was shown in the Nicaragua and Guatemala department of the 1878 International Exhibition in Paris. It was in the form of a clear brownish-yellow liquid of the consistence of virgin honey, without the admixture of water usual in Asiatic storax. According to Gildemeister and Hoffmann this storax closely resembles in almost all its properties the storax of the Levant, the oil distilled from it differing chiefly in not containing ethyl and benzyl alcohols, and in being dextrogyrate. There is another source of cinnamic acid which has not been exploited in this country—viz., the balsam obtained in Brazil from *Myroxylon Peruiferum*, an account of which was given by Peckolt ("Y.B.P.," 1881, p. 144). The odour of the balsam resembles that of balsam of Peru, from which it differs in readily mixing with castor oil in all proportions, thus possessing a considerable advantage for perfumery purposes. The oily portion of this balsam, containing the cinnamic acid, can be separated from it by benzin and petroleum ether. Another source of cinnamic acid is the resins of various species of *Xanthorrhœa*, called "grass-tree gums" in Australia, the best known of which in English commerce are acroides (*Xanthorrhœa arborea*) and black boy "gum" (*X. hastilis*). Although the percentage of cinnamic acid in them is small, the quantity of resin available is enormous. The volatile oil distilled from acroides contains a considerable quantity of cinnamic acid, the proportion being 20 per cent. when crystallised from water. The oil itself has a storax-like odour, and, like storax, contains styrene. The liquid balsam obtained by incision from *Liquidambar Altingiana*, Blum., to which the name of "Rasamalas" is applied by the Malays, in common with that of *L. orientalis*, is deserving of examination as a source of cinnamic acid. This balsam is obtainable in Tenasserim and Burmah. It may be noted, however, that these trees only produce the balsam when the climate is warm in latitude 20°-30°. *L. styraciflua* stands the winter in this country, but produces no balsam; and although the tree occurs as far north as Connecticut and Illinois in North America, the product is commercially produced only in the sub-tropical countries, such as Mexico, Guatemala, and Nicaragua.

Pharmacists and the Army.

The shelving for the present of the reorganisation of the Army Medical Service (*C. & D.*, February 17, p. 40) deserves emphasis from the pharmaceutical point of view. One part of the subject, commissions for pharmacists, has become of imperial importance, though originally it was only in Great Britain that pharmacists moved for the recognition of competent pharmacists in the Royal Army Medical Corps as officers of the corps. This received much attention during the Boer War, but after that the subject was gradually shelved until on the opening of the present war it broke out again when the Army authorities needed compounders. During the war several men, who are registered as chemists and druggists or pharmaceutical chemists and are serving in the R.A.M.C., have been made quartermaster-sergeants, which nominally means the rank of honorary lieutenant. Nevertheless Mr. Tennant, when a member of the Government, stated emphatically that pharmacists could not get commissions in the R.A.M.C. Some pharmacists in the Australian, Canadian, and South African contingents have received commissioned rank, this applying especially in the Canadian contingents, and it must be admitted that the subject has progressed during the past two years. There has also been a development on the pharmaceutical as well as on the official side, for it is now recognised that the mere fact that a man is a pharmacist is not sufficient reason for granting him a commission in the R.A.M.C., it being felt that an Army compounder should not be entitled to commissioned rank until he has proved himself to possess special qualifications other than the pharmaceutical, such as intimacy with bacteriology, chemistry (allied especially to medical and surgical treatment), sanitation, hospital administration and organisation, food-supplies, and kindred subjects—in fact, the pharmaceutical officer should be a person able to assist Army doctors in those scientific and technical subjects which are of value in treatment, but are as well, and perhaps better, carried out by a non-medical officer. Which is well recognised in Australia; but this is not the time to lay down for enforcement conditions or principles which should be recognised. We think, however, that pharmacists throughout the British Empire should keep hold of the matter, and apply their war experience to it with a view to ultimate action by the pharmaceutical authorities in each part of the Empire. At the 1915 meeting of the British Pharmaceutical Conference, Major Saville Peck, in his presidential address, dealt with the matter, and we think that the Conference, as the one imperial pharmaceutical body in the Empire, should again take it in hand, and get the pharmaceutical authorities in the Empire to work together in preparing some scheme of reform. The Pharmacists' Volunteer Training Corps should be of special service in a matter of this kind, for they know from experience what subjects and work, in addition to pharmaceutical qualification, are necessary for the creation of a higher grade of military compounders, consisting of men who are registered pharmacists and hospital and sanitary specialists. In our Winter Issue, January 27, p. 85, we published an article on the position of German army pharmacists and the work that they have done during the war. This was put on record as being useful for considerations connected with reform of the position in the British Army. We may also recall the fact that shortly after the war commenced the French authorities made some important alterations in the work and position of pharmacists in the French army. It would be of service to the whole Empire if the British Pharmaceutical Conference, at the next annual meeting, would appoint an Imperial Committee to take charge of the matter.

Annotations.

Paraffin Treatment of Burns.—Lieut.-Colonel A. J. Hull, F.R.C.S., of the R.A.M.C., has communicated a practical and readable paper to the "British Medical Journal" on Dr. Barthe de Sandfort's treatment of burns by means of ambrine, a secret preparation which, however, is known to consist of hard paraffin, tar, and some other things. Lieut.-Colonel Hull finds that the effects of ambrine are entirely mechanical, and that the essential part in the process of manufacture is the use of superheated steam in the paraffin. After experiment he finally obtained, by the use of the following formula, a paraffin having the mechanical properties of ambrine, which he has found to be as useful in the treatment of burns, and even of trench-feet:

Formula for No. 7 Paraffin.

Resorcin	1 per cent.
Eucalyptus oil	2 ,,
Olive oil	5 ,,
Soft paraffin	25 ,,
Hard paraffin	67 ,,

Melt the hard paraffin, and add the soft paraffin and olive oil. Dissolve the resorcin in absolute alcohol (soluble 2 in 1), add to the melted paraffins, and lastly add the eucalyptus oil when the wax had cooled to about 55° C.

A smaller amount of resorcin may be used, but as it is scarce and dear beta naphthol has been substituted for it in more recent preparations, as follows:

Beta naphthol	0.25 per cent.
Eucalyptus oil	2.0 ,,
Olive oil	5.0 ,,
Soft paraffin	25.0 ,,
Hard paraffin	67.75 ,,

* * *

Chemicals for British Malaya.—The demand for chemicals in British Malaya is steadily increasing, but as only the values are recorded in the official statistics it is difficult to say whether the increase is merely one of values and not quantity. Probably the explanation is to be found in the enormously inflated price of acetic acid used largely in the coagulation of latex on the rubber estates. For what they are worth, however, the following statistics will be found of interest:

	Imports £	Exports £
1913	42,827	19,230
1914	79,122	21,919
1915	110,185	47,357
1916 (nine months)	264,242	38,115

It would appear from the records that the United Kingdom leads in this trade, but the war has interfered with the export of chemicals from England, and our ally Japan has not failed to benefit from this opportunity. Details are not yet available as to the countries of origin in 1916, but the following table is compiled from the official records for the previous three years:

Imports into Straits Settlements.

From	1913 £	1914 £	1915 £
United Kingdom	23,789	21,467	27,679
Netherlands	15,615	18,211	20,670
Germany	9,101	4,156	144
Austria-Hungary	6,123	4,213	—
Belgium	5,020	4,109	—
Hong-Kong	4,439	6,672	8,184
Japan	1,861	8,978	27,461
British India	—	—	11,267
Java	—	—	3,677
Exports.			
Malay States & B. N. Borneo	13,319	13,487	31,995
Netherlands India	3,798	6,104	10,979
Siam	1,277	1,498	2,195

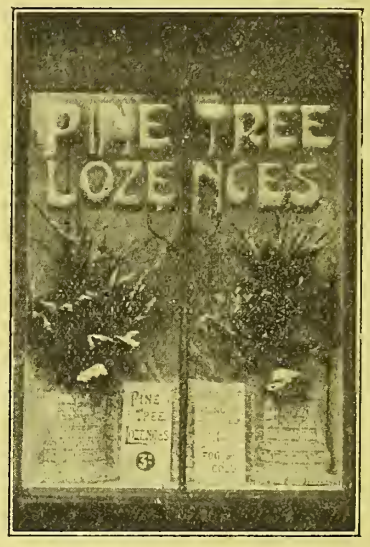
From the above it will be observed that, in addition to Japan, British India, Hong-Kong, and Java supplied the requirements unobtainable from Europe. Where the Hong-Kong supplies originated it is impossible to say, but as that Colony has no manufacturing sources of its own the chemicals sent thence to the Straits Settlements may have come originally from the United States, or even Japan.

Chemists' Windows.

Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.

A Picture Window.

Two Christmas trees, coated with cotton-wool to give the snowy appearance, formed the main attraction of this display. In putting on wool be sure to break the branches slightly, so as to give the necessary reality to the weight of the snow on each. The pots in which the trees were fixed were covered by arranging the cartons tier upon tier, which were used for both purposes, display and containers. Two large showcards in black and white were used to fill up the gap with these wordings:



Pine Tree lozenges, 3*d.* per box.

Suitable alike for young or old.

Keeps out both the fog and cold.

Cut-out paper letters, "Pine Tree Lozenges," shaded to give the rounded appearance, were stuck on the window. Last, but not least, was a paper background of alpine mountains with their snow-covered peaks, copied from an illustrated magazine, which completed a wonderful effect of atmosphere to bring home to the public the virtues of the lozenges.—*H. A. Martin* (Leicester).

Showcard Ideas.

Fig. 1 is a type of showcard in black on white, the idea being copied from a block which is often seen in magazine advertising. The showcard is not so difficult to do as it looks; and when placed in the centre of any display looks very bold and catching. The figure and letters in reverse quite lift it out of the ordinary among showcards. The words are:

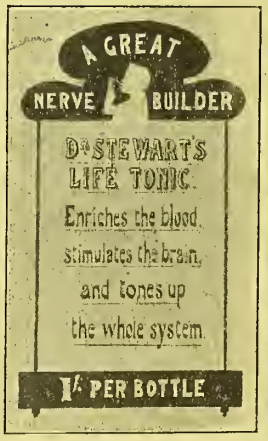


Fig. 1.

Fig. 2.

"A great nerve-builder. Dr. Stewart's Life Tonic enriches the blood, stimulates the brain, and tones up the whole system. 1*s.* per bottle."

The type of showcard reproduced in fig. 2 is another quite out of the common. To make it, cover ordinary thick strawboard with a dark-green paper. Superimpose on this a piece of terra-cotta paper suitably shaped and shaded to give it the curly appearance, on which print the words in white, "Children like our cream emulsion." The picture of the mother giving her child a dose proves the truth of the statement at the side that it "tastes like custard." This is painted in solid white, which shows up on the dark-green card; the chair being in similar colour to scroll-work—viz., terra cotta outlined with white. The small space left at the right-hand bottom corner can be used to put in price. Of all the showcards I have seen none have been so good in simplicity, boldness, and effectiveness.—*H. A. Martin.*

Trade Notes.

Dermoline is a non-greasy toilet-cream which replaces glycerin. It is manufactured by Cuxson, Gerrard & Co., Ltd., Oldbury and Birmingham, and shows an excellent profit when retailed at 6*d.* a tube.

Zol is an emulsion for whooping-cough which is protected by the P.A.T.A. at 1*s.* 3*d.* and 2*s.* 6*d.* per bottle. Zol, Ltd., 103 Church Street, Kensington, London, W., invite retailers to apply to them for show-matter.

One February List of Sangers, 258 Euston Road, London, is a price-list of fine chemicals, drugs, etc., supplied and guaranteed by John Bell, Hills & Lucas, Ltd. They have also issued a list of showcards which they supply to their customers.

Dubarry's Compressed Bath Tablets.—It is interesting for the trade to know, as Dubarry et Cie., 81 Brompton Road, London, S.W., inform them in this issue, that perfumed bath salts in tablet form in twenty-four odours are manufactured by them.

No. 7 Paraffin.—Burgoyne, Burbidges & Co., Ltd., East Ham, submit to us a specimen of this product which (see p. 54) has been devised for the treatment of burns instead of ambrine. The company have been supplying it for some time past to the Medical Department of the War Office and to various military hospitals. In appearance it resembles cera flava, and it has an agreeable odour.

Fuerst Brothers, chemical-merchants, 17 Philpot Lane, London, E.C., in order to provide for the expansion of the business and its concomitant reorganisation, have converted it into a private limited company, under the name of Fuerst Brothers, Ltd. Accordingly the partners, Mr. J. F. Forster and Mr. Jules Fuerst, dissolved partnership on February 19, and both of them become governing directors in the new company, the shares in which will be held by them and members of their staff.

Gestivo Malted Food.—This is one of the products made by Maurice Smith & Co., manufacturing chemists and food specialists, Kidderminster. It is a malt preparation which is particularly serviceable for children and older persons for whom a palatable digestive food is necessary. It makes an exceedingly pleasant dish by admixture with water and milk, and we find that condensed milk can be used with advantage. Gestivo Food is put up to retail at 4½*d.* per packet, and at the present time it deserves the attention of all retail chemists, whose name and address can be put on the packet by the manufacturers.

Registration of Business Names.—The requirement of the Registration of Business Names Act that the registered name and particulars of every firm shall be placed "in all trade catalogues, trade circulars, showcards, and business-letters" sent out by the registered firm has made it necessary to alter printed matter included in the above categories. To meet the difficulty and obviate the necessity of destroying stocks of circulars, etc., Jas. Townsend & Sons, chemists' printers, Exeter, have prepared small supplemental labels for use on stationery which registered firms will find a great convenience and saving of expense. Messrs. Townsend are prepared to send samples of the labels to any of our subscribers.

The Famous Liquorice Factory which has figured so often in the despatches from Kut is again in the hands of our troops. Bronchial subjects who have been confining themselves to black-currant lozenges on patriotic grounds will welcome the news.—*Punch.*

Business Changes.

The Business of the late Mr. J. F. E. Mullett, drug-merchant, 49 Fenchurch Street, London, E.C., will be continued by his son, Mr. Edward F. Mullett.

Robert Bailey & Son, manufacturers of surgical dressings, etc., have removed their head office from Smithy Bridge, near Rochdale, to Marriott Street Mills, Stockport.

Mr. J. Blum informs us that the business carried on by him under the style of G. A. Witt at 36 Lime Street, London, E.C., will in future be carried on as G. A. Witt's Successor, J. Blum.

The International Bottle Co., 48 Fore Street, London, E.C., announce that the business has been converted into a private company, under the title of the International Bottle Co., Ltd. Mr. John Arthur Maier will be the managing director.

Mr. R. Pfundt, being the sole member of the firm of R. Pfundt & Co., general merchants, Dunster House, Mincing Lane, London, E.C., has decided to carry on business under the style of R. Pfundt. Mr. Geo. H. Clarke will retain his authority to sign for Mr. Pfundt.

Wills.

Mr. Edward Ransome Allen, Stoke Newington, and of Stafford Allen & Sons, Ltd., drug-millers, who died on December 6, 1916, left property of the value of 27,500*l.* 13*s.* 7*d.*, with net personalty 21,652*l.* 1*s.* 11*d.* The testator gives the household effects, 500*l.*, and an annuity of 500*l.* to his wife, 100*l.* each to his executors, and the residue in various shares to his children.

Mr. Christopher Henry Kirton, Ph.C., Hull, who died on December 27, 1916, left estate of the gross value of 16,854*l.* 7*s.* 5*d.*, of which 8,320*l.* 16*s.* 1*d.* is net personalty. The testator left 50*l.* and his consumable stores to his wife, 50*l.* each to the other acting executors of his will, 100*l.* to his son Stanley, 150*l.* per annum to his wife during widowhood, and he gave his son Stanley the option of taking over his business subject to certain conditions. The residue of his estate he left in trust for his sons Henry Harold, Stanley Theobald, and Percy Reginald in equal shares.

Australian Commonwealth.

Lysol Trade-mark.—The application of E. F. Broad (Queensland), Ltd., 41-43 Edward Street, Brisbane, for the avoidance or suspension of the trade-mark "Lysol," owned by Schulke & Mayr, has been refused.

"Orange Lily" Suppositories.—The importation of "Orange Lily" suppositories, whether described by that name or any other name, manufactured by the Coonley Medicine Co., Inc., Detroit, Michigan, U.S.A., was prohibited under the Customs Act, 1901-1916, by proclamation in the Commonwealth "Gazette" of November 10.

Malted Milk.—On November 5, in the High Court, Mr. Justice Rich made an order, on the application of the Borden's Condensed Milk Co., to expunge from the Register the trade-mark "Malted Milk," and ordered that the trade-mark "Horlick's Malted Milk" should be used only as a combination mark. The marks were objected to on the ground that they are descriptive of goods, and should not be the subject of trade-marks. An appeal has been lodged.

Argochrom is a compound of methylene-blue nitrate and silver nitrate, containing 20 per cent. of silver, which has been introduced by Merck and used with success in cases of septic infection, serious malaria, rheumatism of the joints, and furunculosis. It is a brown powder which gives deep-blue solutions in water. It can be given in hypodermic injections, the dose being 0.1 to 0.2 gram daily.

Anglo-Portuguese Trade.—The annual report of the British Chamber of Commerce in Portugal for 1916 states that the most important event of the year for the Chamber was the coming into force of the Anglo-Portuguese Treaty of Commerce on September 23. The benefits of the treaty were immediate as regards goods produced in the United Kingdom, but complex questions have arisen as regards products from the Colonies. The membership of the Chamber is 105, against 93 in 1915.

Associations' Winter Session.

Chesterfield.—A meeting of the Chesterfield Pharmacists' Association was held on February 13, Mr. Geo. D. Denwood in the chair. It was agreed to invest 20*l.* in the War Loan. The questions of sugar shortage and National Service were discussed. The rest of the evening was spent in price-revision.

Ealing.—A meeting of the Ealing Pharmacists' Association was held on February 13 at Buol's Restaurant, the President (Mr. A. A. Senior) in the chair. Various matters were dealt with in connection with Insurance dispensing, and then followed an address by Mr. H. Skinner on the *New Venereal Clinics.* He dealt with the development of specific therapy, and showed how it had brought a change into the methods of treating venereal diseases which had made it quite a practical proposal in the social effort to stamp out this pest. He dealt with the relation of the pharmacist to the clinics, and pointed out that his final position will depend largely upon the attitude he adopts at the present moment in his relationship to the clinics.

Edinburgh.—A meeting of the Edinburgh Chemists', Assistants', and Apprentices' Association was held at 36 York Place on February 14, Mr. Jas. Adamson (President) in the chair. Mr. A. A. W. Cuthbertson, Ph.C., gave a paper on *Conditions of Work in a Large Chemical Factory,* but was unable to tell the meeting of the wonderful new processes or appliances which are being used for war work. Mr. Henry Stout, Ph.C., then gave a note on *Ammoniated Mercury Ointment.* After remarking on the great variety of formulæ in different Pharmacopœias, the author related the steps he had taken to trace to its source the yellowing with age of the ointment made according to the British Pharmacopœia. The yellowness is due, he finds, to the decomposing effect of the benzoic acid on the ammoniated mercury, showing that benzoated lard is not the best basis for the ointment. Mr. David Murray then gave his views on *The Reconstruction of Pharmacy,* which were iconoclastic in character. Education and knowledge of business methods are needed for pharmacy in a greater degree than obtains at present. Discussions and votes of thanks followed the reading of the papers.

Glasgow.—A meeting of the Glasgow and West of Scotland Chemists' Association was held at 165 Hill Street, Garnethill, Glasgow, on February 15, Mr. McMillan (President) in the chair. Miss E. Miller, chemist and druggist, gave a lecture entitled *Experiences and Observations in a Red Cross Hospital.* This dealt with the Red Cross organisation historically, and then particularly with the work at the Bellahouston Hospital of 829 beds, to which Miss Miller is attached as dispenser. It is one of the most modern and complete of the hospitals in the United Kingdom. Referring to the use of eusol, the lecturer said the disadvantage of eusol is that it does its work almost too quickly, and granulation has to be checked by the use of caustic until the epidermis has performed its function. Miss Miller suggested that the Association might endow one or two beds in the hospital. Mr. McVitae took up the suggestion in the course of the discussion, and a subscription-list was circulated among the members, with the result that 58*l.* was subscribed. A Committee was appointed to collect subscriptions from absent members so that two beds can be endowed. The lecturer received a hearty vote of thanks.

Leeds.—Mr. N. N. Armitage presided at a meeting of the local Chemists' Association on February 14. After the members had approved the Price-list Committee's recommendation to add a list of surplus stock to it, and arrange disposal of such stock, Mr. M. E. Murray delivered an address on *The Organisation of Pharmacy.* In the course of this he commended Section 3 (3) of the Poisons and Pharmacy Act, 1908, which enables chemists and druggists to use the title "pharmacist" without being fined, as provided by the 1868 Act. He then pointed out, when speaking of pharmacy as a profession, that there is nothing derogatory in shop-work and advertising, but the business of northern pharmacists is very mixed, and some southerners do not appreciate this. Even the Pharmaceutical Council often gets wrong by forgetting the rough nature of the northern business, where the "higher educated" man is a round peg in a square hole. At present, organisation of pharmacy is being attempted from the top instead of the bottom, and sufficient is not being done for the younger generation. The present generation of chemists is, from a professional point of view, one of untrained men, whose studies had mainly been devoted to "cramming" for their examinations. The Pharmaceutical Society should start with the apprentice who has passed a Preliminary examination, then he should be properly indentured with the endorsement of the Pharmaceutical Society. The master should give the youth a minimum of time (nine months) for study, and the apprentice should spend a minimum of time at a recognised school of pharmacy or recognised evening schools, then go through an examination like the Apothecaries' Assistants' and get a preliminary certificate. If at this time he did not satisfy the Pharmaceutical Society, he should be made to have another year in his indentured apprenticeship at the shop, then be again put into a recognised school. All schools should be recognised by the Society. Mr. Murray was sorry to see the Pharmaceutical Council taking up trade matters as a sop, perhaps, to some people. It would be better if they spent their time and energy on the professional side and in the training of the youth. He thought the trade organisation, entirely separate from the Pharmaceutical Society, which was suggested in London, would be very useful, and would not clash with the Society. After touching upon other topics, including ladies as assistants and apprentices and the Pharmaceutical Council as "a happy family of brothers who stand by each other in the face of everything," Mr. Murray concluded by expressing regret that Mr. Glyn-Jones was retiring from Parliament owing to ill-health. He felt that Mr. Woolcock will make him a worthy successor, and, if given a hand free from political ties, will do valuable work. A good discussion followed. It was conducted by the President and Messrs. J. H. Beacock, H. Gilleghan, J. Hayes, F. P. Sargeant, and J. Lancaster. Mr. Murray, in his reply, said that there is need for State pharmacy.

Liverpool.—For the convenience of the lecturer (Dr. W. Murray Cairns, medical officer of the Voluntary Aid Detachment of the Liverpool Pharmacists' Training Corps), the meeting last week was deferred to Thursday night, February 15. There was a large attendance at the Royal Institution. So interesting was the lecture on "Japan," and so beautiful the Japanese-painted slides shown, that the whole audience remained until 11 P.M., the lecturer (who has given service as a medical missionary in Japan and China) not being able to reach the hall until 9.15. The lecture, which has been delivered many times, has won wide fame and favour. Prior to the lecture a business agenda was taken. Letters were read from Mr. John J. Evans (Evans Sons Lescher & Webb) and Mr. Edmund White (President of the Pharmaceutical Society), each acknowledging the honour of his election as an hon. member of the Association. Mr. Lorenzo B. Angell wrote thanking the Association for its tribute to his brother. The following six members were elected: Messrs. J. Ewbank (Waterloo), W. A. Vickers (Rice Lane, Walton), F. J. Coso (Oxford Street), P. H. Mills (Derby Lane), William Budden (London Road), and W. J. Williams (Breck Road, Everton). The President (Mr. William P. Evans) announced a postponement of the Benevolent Fund smoking-concert to March 21. He added that as he was receiving a number of questions by telephone *re* glycerin, he would reply to any such from the audience. Questions followed, the replies being similar to the information given in the *C. & D.* last week. Several members said they had remnants of stocks purchased before the agreement. On the domestic question of the relations between the Insurance Committee and the Pharmaceutical Committee, which has been several times discussed, it was resolved to acknowledge a letter from the Pharmaceutical Council and "to take it into consideration." Dr. Symes took the opportunity to pay a tribute to the late Mr. Charles Sharp, who died at Southport on February 10. He said he knew Mr. Sharp fifty years ago as Librarian to the Pharmaceutical Society at 17 Bloomsbury Square. Later he became Secretary to the Liverpool Institute (a local grammar school), and as such took interest in the Liverpool C.A. A vote of condolence was passed to his son, Dr. Chas. J. Sharp, of Wellington Avenue, Wavertree. The President read a letter which he had received from Mr. W. H. Saunders (Ayrton, Saunders & Co.), accepting the suggestion to send a portrait of his late son, Captain G. Gilbert Saunders, to be hung side by side with the portrait of the late Captain E. H. S. Evans, already presented by the President, in the Association's room.

London (S.E.).—A district meeting of Peckham and Dulwich chemists belonging to the South-East London Pharmacists' Association was held at Mr. Frank Ullett's pharmacy, Rye Lane, on February 14, Mr. H. S. Foster in the chair. An address was given by Mr. Milner on *Improved Methods of Local Organisation.* It was agreed that not less than sixpennyworth of any poison in Part I. of the Poisons Schedule be retailed at a time. It was further decided that not less than twopennyworth of Part II. poisons be sold. It was decided that members should do

all they can to prevent the retail sale of patent medicines not on the Proprietary Articles Trade Association's list showing a profit of less than 20 per cent. on selling price. The present closing-hours are to be continued when the present order ends.

London (S.W.).—A meeting of the South-West London Association was held on February 13, Mr. W. H. Goy (President) in the chair. Four new members were elected, bringing the total up to 157. The Treasurer's report, which was adopted, showed a balance at bank of 31*l.* 5*s.* 6*d.* Mr. Jenkin then gave an address on *Pharmaceutical Organisation*, showing how the man behind the counter is linked up with the Council on the one hand and the Local Associations Executive on the other. His remarks tended to show that the good that should result from so complete an organisation is stultified (1) by the scope of the Council's usefulness being limited under an obsolete Charter eighty years of age, and (2) by the unfair representation of the Council on the Local Associations Executive, which renders it useless as a Trade Committee, whilst any resolution passed by it has to be referred for approval to the Council of the Society. During the discussion the co-option system was strongly condemned.—A whist-drive and Bohemian concert was held on Wednesday, February 14, at Clapham Public Hall, there being present about 130 members and friends. During the evening a silver tea-service was presented to Mr. E. A. Atkins in appreciation of his services as Secretary during the past four years. Mrs. Atkins also received a salad-bowl. The prize-winners at the whist-drive, which afterwards took place, were—Ladies: (1) Mrs. Harrison, (2) Miss Hyam, (3) Mrs. Boyes; gentlemen: (1) Mr. Watson, (2) Mr. Ramsey, (3) Mr. Linders. Mrs. Goy, the wife of the President, handed the prizes to the winners. The musical programme gave universal satisfaction.

Manchester.—A meeting of the Manchester Pharmaceutical Association was held at the Manchester School of Technology, Whitworth Street, on February 14, Mr. W. Kirkby, M.Sc. (President), in the chair. Mr. James Grier, M.Sc., Ph.C., gave a lecture entitled *Pharmacy in the New Era.* Referring first to the inefficient way in which chemists' apprentices are trained, he said it was time that a systematic course of training was adopted. He thought it unwise to discourage the teaching of Latin in secondary schools, and suggested a composite subject, Graeco-Latin, to take the place of Latin. He advocated a preliminary examination, consisting of the following compulsory subjects: English, Graeco-Latin, mathematics, and elementary science. During his apprenticeship the youth should adopt a systematic course of study or a curriculum, covering two or three years, to be taken at a suitable technical school. He also advised the study in the earlier years of apprenticeship of business subjects. He suggested that an assistants' examination should be taken at about nineteen years of age, and should include such subjects as chemistry, physics, botany, and pharmacy. Chemistry and physics should always be taken together for the qualifying examination at public institutions, such as the Manchester School of Technology, and not at private schools which are never so well-equipped, and which cannot possibly hope to compete with public institutions in the teaching of science. A man so trained will find the passing of the Minor a far easier task, and, besides that, would always feel more competent and be better able to carry on the business of a pharmacist. A curriculum would also give pharmacists a better social standing. Mr. W. H. Delve, in moving a vote of thanks, described Mr. Grier as an idealist in pharmaceutical education, and his address very opportune at a very opportune moment, when the trend of the times was all for higher and better education, not only of pharmacists, but in every sphere of life. Mr. A. Hershberg, in seconding, said his training had been on the lines advocated by Mr. Grier, and, in consequence, "the Minor" had no terrors for him. Mr. Bygott advocated differentiation of title between the technical or analytical chemist and the chemist and druggist. It would save confusion if dispensing chemists adopted the title "pharmacist." Mr. E. Gower Bryant suggested the insertion of biology in the new curriculum, and the institution of a degree of bachelor of pharmacy in this country by the Universities. Mr. Grier suitably replied.

Newcastle-on-Tyne.—A meeting of the Newcastle-on-Tyne Pharmacists' Association was held on February 14, Mr. J. F. Simpson (President) in the chair. After considering the Pharmaceutical Society's circulars, Mr. H. W Noble, Ph.C., delivered a lecture on *Wayside Drugs.* Mr. Noble's opinions on the practicability of securing for British-grown medicinal plants the markets hitherto held by enemy-grown drugs varied. Certain home-grown plants, he thought, might command the market if properly collected, treated, and marketed. It would be impossible, however, to displace other plants now grown on the Continent.

West Ham.—The annual dinner of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists was held at the London Tavern, Fenchurch Street, London, E.C., on February 15. Mr. W. J. Johnson (President) was in the chair, and the spur tables were presided over by Mr. W. Potter, Mr. J. Kirkpatrick, and Mr. F. Walter Gwinn. A three-course war dinner was followed by speeches and music. The Chairman proposed the toast of "The King," and this was followed by "The House of Commons" by the Mayor of West Ham (Mr. R. Mansfield). Mr. J. Kirkpatrick proposed the "Pharmaceutical Society," and said that he hoped the new organisation Sub-Committee which had been appointed would evolve an enlightened constructive policy. Mr. Edmund White (President of the Pharmaceutical Society), in his reply to Mr. Kirkpatrick, said he hoped that gentleman would see his way to become a member of the Council. The membership is now the highest on record, which does not indicate dissatisfaction with the policy of the Society. Mr. H. Soper proposed the "Medical Profession," and his reference to Lord Lister was seized on by Dr. Dayus, who replied, to emphasise the fact that Lord Lister was born at West Ham. Mr. C. E. A. Goode proposed the "West Ham Insurance Committee," suggesting that efforts should be made to increase the number of chemists' representatives on Insurance Committees. Alderman Hurry, in his reply, gave the following statistics of Insurance dispensing in West Ham:

Year	Prescriptions	Chemists' Payments	Average per Prescription
1913	340,000	9,000*l.*	6¼*d.*
1914	350,000	9,460*l.*	7½*d.*
1915	300,000	6,655*l.*	5½*d.*
1916	260,000	5,400*l.*	5*d.*

He added that these figures do not show progress so far as chemists are concerned. He dealt also with dispensing hours and military exemption of chemists. Mr. A. J. Gay proposed "The Association," to which the President replied. The final toast was "The Visitors," by Mr. W. Potter, to which Mr. Herbert Skinner replied.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(*From "The Trade-marks Journal," February 7, 1917.*)

"FUMINITE"; for a preparation for the prevention of smut in wheat (2). By A. W. Smith and J. E. Newman, Pershore. 375,259.

"ACACQUERA"; for all goods (3). By W. L. Thompson, 31 Courthope Road, Hampstead, N.W. 375,518.

Circular picture of two seals and letters "H B"; for all goods (3). By Harkness, Beaumont & Co., Leith. 376,104.

"SALUCO"; for blood-food (3). By Wm. C. Haigh & Co., Cardiff. 376,115.

"BRONCHULES" and "BRONCHOIDS"; for medicinal chemicals (3). By Boot's Pure Drug Co., Nottingham. 376,198/9. (Associated.)

"EKOX"; for cattle and poultry foods (42). By Midland Cattle Products, Ltd., 95 Digbeth, Birmingham. 374,839.

"PROTOL"; for animal food (42). By A. L. Burlin, 56 Broad Street, Pendleton, Salford. 375,201.

"OVOALTINE," for food-substances (42); "CRISTOMALT," for food-substances containing malt (42). By A. Wander, Ltd., 45 Cowcross Street, E.C. 375,771 (Associated), 375,773.

"ORCOMA" and "TOBROMA"; for food-substances (42). By the Hayes Cocoa Co., Ltd., Hayes, Middlesex. 376,176/179.

"COLUSK"; for perfumery, etc. (48). By the Veraton Toilet Co., 169 Brockley Road, S.E. 376,384.

(*From "The Trade-marks Journal," February 14, 1917.*)

"TROLOIDS"; for a chemical motor-fuel economiser (1). By J. S. Lottrup, 69 Red Lion Street, W.C. 376,044. (Associated.)

"FLAYEM"; for a vermin-destroyer (2). By D. C. Griffith & Co., 7 and 8 Victoria Avenue, Bishopsgate, E.C. 375,757.

"LÉATINE"; for a medicine (3). By Leah Joseph, 79 Callcott Road, Brondesbury, N.W. 375,130.

"UNOLINE"; for medicinal chemicals (3). By W. E. Lowe & Co., Ltd., 8 Stafford Street, London, W. 375,671.

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Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C., February 22, 5.30 p.m.

In spite of the difficulties which beset business in chemicals and drugs a fair volume of trading is taking place, but prices generally, where spot delivery is concerned, have still a distinct rising tendency. The cutting down of imports, about which an official warning is given, has led to increased values in certain spices, and the official list of prohibitions is awaited with interest. Bromides have been unexpectedly reduced by English makers. English refined camphor is 3*d.* dearer; citrates have advanced 1*d.*, following the rise in citric acid; cream of tartar is firmer, and likely to go higher. Almond oil is dearer, and other produce which has been marked up includes arrowroot, glucose, gingers, Florentine orris, and sandarac. Quinine is easier in second-hands. Salicylates, methyl salicylate, and salol have been reduced in the U.S.

Higher	Firmer	Easier	Lower
Almond oil, B.P.	Arsenic	Copper sulphate	Bromides
Arrowroot	Cloves	Linseed oil	Coumarin
Camphor (ref.)	Coconut oil	Quinine (sec. hands)	Methyl salicylate (U.S.)
Citrates	Cottonseed oil		Methyl sulphonal
Dill-seed	Cream of tartar		Mustard-seed
Gingers	Soy (China)		Salicylates (U.S.)
Glucose			Salol
Orris (Flor.)			Turpentine
Palm oil			
Peach and (or) apricot-kernel oil			
Sandarac			
Shellac			
Sulphur			

Cablegram.

New York, February 21.—Business is brisk. Menthol has advanced to $3.45 per lb., guarana to $1.05, Cartagena ipecac. to $2.40, and Mexican sarsaparilla to 15c. per lb. Salicylates are lower, salicylic acid having been reduced to 30c., sodium salicylate to 85c., methyl salicylate to 80c., and salol to $1.40 per lb.

Almond Oil.—English pressers have advanced their price of true (ol. amydalæ B.P.) by 2*d.* per lb., and now quote 2*s.* 8*d.* per lb. in cwt. lots, and 2*s.* 9*d.* for smaller quantities. Peach and (or) apricot kernel oil is also dearer at 1*s.* 2*d.* per lb. net in cwt. lots, and 1*s.* 3*d.* for smaller quantities.

Aloes.—The exports from the Union of South Africa during November, 1916, amounted to 73,543 lb. (681*l.*), against 75,514 lb. (447*l.*) in 1915. During the eleven months ended November 30, 1916, the exports were 925,605 lb. (8,623*l.*), against 522,157 lb. (3,811*l.*) during the corresponding period of 1915.

Alum.—A limited quantity of lump is offered at 22*l.* per ton net.

American Drugs.—The following are a few current net prices for roots, barks, herbs, etc., mostly for spot delivery: *Barks*—Bayberry, 10½*d.* to 11*d.* per lb.; black haw, 1*s.* 3*d.*; sassafras of root, 1*s.* 7*d.*; ulmi fulv. powder, 1*s.* 3*d.*; wahoo (euonymus), 2*s.* 1*d.* to 2*s.* 2*d.*; witch-hazel, 10½*d.* to 1*s.*; thin wild cherry, 11*d.* to 1*s.* per lb. *Leaves*—Uva ursi, 40*s.* per cwt.; damiana, 1*s.* 5*d.*; witch-hazel, 11*d.*. *Roots*—Leptandra, 1*s.* 3*d.*; kava-kava, 1*s.* 4*d.*; krameria, 10*d.*; serpentary, 2*s.* 9*d.* per lb. Lobelia herb, 1*s.* per lb. net.

Ammonia Chloride.—Large crystals, in casks, are quoted at 60*s.* per cwt., and granular at 47*s.* 6*d.*

Ammonia Sulphate.—Home trade price as fixed by the Government is 15*l.* 10*s.* per ton net at makers' works for 24½-per-cent. quality; export is prohibited.

Arrowroot is dearer, with sales of manufacturing St. Vincent at from 5¼*d.* to 5¾*d.* per lb.

Arsenic.—Very scarce at from 60*s.* to 65*s.* per cwt. for best Cornish powder.

Balsam Peru is offered at from 15*s.* to 15*s.* 6*d.* per lb. on the spot, and at 14*s.* on c.i.f. terms from New York.

Bergamot Oil.—A scare that the imports of certain essential oils might be barred has lately led to increased spot buying principally between 18*s.* 6*d.* and 20*s.* per lb., with holders asking 25*s.*

Bromides.—Owing to American and new Continental competition the English makers have lowered their prices, but the new official rates had not been fixed at the close of 'Change. They are, however, sellers of the potassium salt at 5*s.* 3*d.*, ammonium at 4*s.* 3*d.*, and sodium at 2*s.* 6*d.* per lb. net. These prices are below what America is quoting at, especially in view of the excessive freights and war-risk insurance.

Buchu.—The exports from the Union of South Africa during November, 1916, were *nil*, against 8,159 lb. (962*l.*) in November, 1915. During the eleven months ended November 30, 1916, the exports were 123,771 lb. (20,568*l.*), against 150,520 lb. (22,886*l.*) during the corresponding period of 1915.

Camphor (Refined).—English refiners have advanced the price by 3*d.* per lb., and now quote bells at 3*s.* 2*d.* and flowers at 3*s.* 1*d.* per lb., with tablets at proportionately higher prices. Small sales of Japanese ¼-oz. tablets have been made at 3*s.* 9*d.* per lb.

Cinchona.—The shipments from Java to Europe during January 1917 amounted to 2,687,500 Amst. lb., against 1,526,965 Amst. lb. in January 1916.

Citrates.—Makers, in view of the rise in citric acid, have slightly advanced the price of citrates, which are as follows: Ferri et ammon. cit. and (or) sodium citrate, 2*s.* 10*d.*; 28 lb., 2*s.* 9*d.* per lb. net; potassium citrate, 4*s.*; 28 lb., 3*s.* 1½*d.* per lb. net.

Citric Acid is scarce and in good demand, with spot sales up to 3*s.* per lb.

Cloves are dearer, with spot sales of fair Zanzibar up to 8¾*d.*; to arrive, January-March shipment has been sold at 8⅛*d.* to 8¼*d.* c.i.f. d.w. and buyers.

Coca-leaves.—The exports from Java to Europe during January 1917 amounted to 310 packages, against 591 packages.

Cod-liver Oil.—Little interest continues to be shown in this market, and no official statistics of the Lofoten catch appears to be available; on the spot 425*s.* per barrel is quoted for finest 1916 Norwegian, and from 390*s.* to 400*s.* for 1915 crop. Newfoundland non-freezing is offered at 13*s.* 6*d.* per gal.

Copper Sulphate is easier at 62*l.* 10*s.* per ton for the usual Liverpool brands for prompt to May delivery: demand at the moment is very limited.

Coumarin.—Sales have been made on the spot at from 53*s.* to 54*s.* per lb. net.

Cream of Tartar is firmer and very scarce at 190*s.* per cwt. for 98-per-cent. powder on spot. There appears to have been a better demand lately, partly owing to the increasing cost of manufacture in France and Italy, as a result of coal shortage.

Cumin-seed is steady at 85*s.* per cwt. for good sifted Morocco on the spot, but sales are small.

Damiana-leaves are becoming scarce, with 1*s.* 3*d.* to 1*s.* 5*d.* per lb. asked on the spot.

Dill-seed is dearer, with a sale of East Indian at 35*s.* per cwt.

Ergot.—Sound Spanish is quoted at 2*s.* 6*d.* per lb. c.i.f., and inferior at 2*s.* c.i.f.

Fenugreek-seed.—Sales have been made at 35*s.* per cwt. c.i.f. terms for shipment from Morocco, and at 38*s.* 6*d.* on the spot.

Gentian.—Persistent snowy weather in the mountains has interfered with the digging, and prices are rather firmer in the Spanish Province of Leon, from where 58*s.* per cwt. c.i.f. London is quoted.

Glucose is dearer and very scarce, at from 47*s.* 6*d.* per cwt. for liquid and 48*s.* 6*d.* for solid.

Heliotropin.—Spot sales have been made at 27*s.* per lb.

Hexamine is offered from 2*s.* 8*d.* to 2*s.* 10*d.* per lb. net, as to quantity.

Honey continues scarce; business has been done in Cuban description both in London and Liverpool at 90*s.*, which figure has also been paid for light amber Californian; white set is held for 95*s.* Chilian appears to be cleared from first-hands. The export of honey from the U.K.

has been prohibited to all destinations. New crop Cuban and Haytian is now afloat. New crop Jamaica is not expected before June, but for the last two years it has not reached this market before August.

Hydroquinone is scarce on the spot at 11*s.* 6*d.* per lb. net.

Ipecacuanha is steady, with sales of Matto Grosso at 10*s.* and sellers; Cartagena is very scarce, with sales at 9*s.* 6*d.*, and 10*s.* asked.

Lithia Carbonate of American make is offered at from 5*s.* 1*d.* to 5*s.* 3*d.* per lb. net, as to quantity.

Menthol.—Quiet, at from 12*s.* 9*d.* to 13*s.* 3*d.* per lb. on the spot as to brand. To arrive, sales of Suzuki for February-March shipment have been made at 12*s.* c.i.f.

Milk-sugar.—A limited quantity of finest American is offered on spot at 180*s.* per cwt., and New Zealand of fine quality is also offered at this price.

Mint Oil.—Sales of Kobayashi-Suzuki are reported at 3*s.* 2*d.* per lb. c.i.f. for February-March shipment.

Mustard-seed.—English yellow is offering at 51*s.* per cwt., being lower.

Oils (Essential).—The following are a few current quotations: *Camphor*, 70*s.* to 73*s.* per cwt.; *Caraway*, 15*s.* per lb.; English *Clove* oil very firm at 5*s.* 10*d.*; English distilled *Cubebs*, 27*s.* 6*d.*; Bourbon *Geranium*, 13*s.* 9*d.* to 14*s.*; African, 13*s.*; *Lavender*, finest Mitcham, 80*s.*; *Lime* oil, 8*s.* 6*d.*; *Neroli*, 10*s.* 3*d.*; Bigarade, 9*s.* 3*d.*; French *Rosemary*, 2*s.* 9*d.*; Spanish, 1*s.* 10*d.*; American natural *Sassafras*, 3*s.* 6*d.*; *Sandalwood*, 48*s.* 6*d.* to 49*s.*; Genuine *Wintergreen*, 12*s.* 9*d.* to 13*s.*; English *Juniper Berry*, 55*s.* per lb. Sales of 80 to 85 per cent. *Cassia* oil have been made at 4*s.* 1*d.* c.i.f. for February-April shipment.

Oils (Fixed).—*Linseed* is easier, closing at 52*s.* per cwt. in pipes landed and 53*s.* landed in barrels. *Cottonseed* is 6*d.* firmer at 49*s.* for crude in pipes, and pale refined in pipes on spot is 52*s.* to 52*s.* 6*d.*; for sweet refined in barrels from 58*s.* to 60*s.* is quoted. *Rape* is firmer, with ordinary brown naked on spot offering at 56*s.* British refined in barrels is 59*s.*, and Japanese in cases is 52*s.* 6*d.* c.i.f. for February-March shipment. *Coconut* is firm at 65*s.* for Ceylon in hogsheads on spot and 63*s.* in pipes. Cochin on spot is 65*s.* to 67*s.*, and shipment 65*s.* 6*d.* c.i.f. London pressed is 53*s.* to 54*s.*, as to delivery. Hankow *Wood* oil is steady at 84*s.* spot, and to arrive 75*s.* c.i.f. is quoted. *Soya* is firmer; Hull (spot) crushed is 49*s.* 6*d.*, and in London January-February shipment is 48*s.* c.i.f. Lagos *Palm* is firmer at 49*s.* on spot, and 45*s.* 6*d.* ex quay Liverpool. *Seal* is quoted at from 40*l.* to 56*l.* per tun, *whale* 45*l.* to 49*l.*, bright *sperm* 50*l.* to 52*l.*, *cod* 45*l.* to 50*l.* nominal, *olive* 78*l.* to 90*l.* per tun. *Lard* oil is 78*s.* 6*d.* to 86*s.* 6*d.* per cwt. *Stearine* 75*s.* to 90*s.* Ground *Nut* 55*s.* to 70*s.* per cwt. *Neat's-foot* 4*s.* 10*d.* to 6*s.* 3*d.* per gal.

Orris.—In the absence of fresh imports, and as the prospects of further shipments from Italy are indefinite, spot holders of Florentine are now asking 70*s.* per cwt. for fair sorts.

Peppers are dearer, with spot buyers of black Singapore, basis fair, at 11½*d.*, fair white Singapore at 1*s.* 1*d.*, and Muntok at 1*s.* 1½*d.*

Phenacetin.—A fair business has been done for forward delivery: the spot value is about 82*s.* 6*d.* per lb.

Phenazone is getting scarce at about 50*s.* per lb. net.

Podophyllum-root is selling on the spot at 64*s.* per cwt.

Potash Salts.—*Russian carbonate*, 85 per cent., in 10-cwt. casks, is quoted at 115*l.* to 120*l.* per ton. *Metabisulphite* in cwt. kegs is 220*s.* per cwt. *Chlorate* is offered at from 2*s.* 7½*d.* to 2*s.* 8*d.* per lb., as to quantity. *Ferrocyanide* is 4*s.* 1*d.* to 4*s.* 3*d.* per lb., as to quantity.

Quicksilver.—As practically the whole of the stocks have been commandeered by the Government, business can only be done with a permit from the Ministry of Munitions, and these are difficult to obtain. The market is therefore nominal, nothing being on offer.

Quinine has turned quiet, and in the absence of demand second-hand holders are easier at from 2*s.* 8½*d.* to 2*s.* 9*d.* per oz. for the usual brands of sulphate. Mincing Lane operators have, during the past fortnight, found the spice markets much more attractive than quinine.

Salicylates.—The spot price of B.P. powdered salicylic acid remains at 4*s.* to 4*s.* 3*d.* per lb. for English or American; sodium salicylate powder is 4*s.* 10*d.* to 5*s.* per lb. Our New York cable notifies a further reduction on that side.

Salol is scarce on the spot at 10*s.* 6*d.* to 11*s.* per lb. net, but stuff afloat can be had at 9*s.*

Sarsaparilla.—No arrivals have taken place. In second-hands grey Jamaica is quoted 2*s.* 2*d.* to 2*s.* 3*d.*, Lima-Jamaica 2*s.* 1*d.*, red native 1*s.* 3*d.* to 1*s.* 4*d.*, and Mexican 1*s.* 2*d.* per lb. on the spot.

Senega.—Spot is quoted at from 3*s.* 3*d.* to 3*s.* 4*d.* per lb., and to arrive 3*s.* to 3*s.* 1*d.* c.i.f. is quoted.

Shellac is dearer, with a small demand, including usual standard TN Orange quality on a basis of 162*s.* to 163*s.* Futures are dearer, with a large business, sales including March at 160*s.* to 162*s.* to 163*s.*, May at 163*s.* 6*d.* to 164*s.* 6*d.* to 166*s.* 6*d.*

Soda Nitrate remains very firm, with limited offers; ordinary offering at 22*s.* 6*d.* and refined at 23*s.* per cwt. net, ex store Liverpool.

Soda Sulphate.—Pea crystals of B.P. quality, in kegs, offer at 7*l.* per ton.

Soy is 1*d.* per gal. higher, spot holders asking 2*s.* 10*d.*, duty paid, for good brands.

Starch-powder is 36*s.* to 36*s.* 6*d.* per cwt.

Sulphocarbolates.—Both soda and zinc are quoted at 3*s.* 3*d.* per lb. net on spot.

Sulphur is again dearer owing to extreme spot scarcity; up to 31*l.* 10*s.* per ton has been paid for flowers on the spot, and 33*l.* is now asked.

Tannic Acid.—*Leviss* is quoted at 5*s.* per lb. and technical at 1*s.* 9*d.* Pure *Gallic* acid is 5*s.* to 5*s.* 3*d.* per lb., the lower price being for cwt. lots.

Tartaric Acid is very firm at 2*s.* 8*d.* per lb. for foreign crystals or powder.

Turmeric is firm, with sales of good Madras finger at 45*s.* per cwt. on the spot. Cochin split bulbs are extremely scarce.

Turpentine is rather lower, closing at 54*s.* 9*d.* per cwt. for American on the spot.

Valerian-root.—Spanish is offered at 75*s.* per cwt. c.i.f. to arrive.

Witch-hazel Extract, in casks, is quoted at 10*s.* per gal. net.

Austrian Drug-market.

Below is an extract from the monthly trade report of a well-known Vienna wholesale druggist and manufacturer of pharmaceutical preparations under date of January 9: "The following articles are not obtainable in the way of regular trade, and only occasionally from second or third hands: Boric acid, aloes, almonds, starch of all kinds, copaiba and Peru balsams, cocoa-paste, cocoa-butter, refined and artificial camphor, beeswax of all qualities, spermaceti, copper sulphate, wormseed, gelatin of German origin, fish glue, sassafras, honey, sodium borate, lead acetate, hydrastis, ipecacuanha, colophony, sugar, Venetian soap, stearine, storax, liquorice-juice, and sulphur. Spermaceti, cod-liver oil, olive oil, and tallow may only be sold in very small lots, and only by permission of the 'Oel- und Fett-centrale' in every special case. The same regulation has been made with regard to oil of sunflower-seed and sesame oil. Glycerin is quite cleared. Cognac and rum have been in active demand for two months, and will advance in price. The crop of *Myrtillus* has been so poor that the berries have considerably advanced. For raspberry-syrup extraordinarily high prices had to be paid. Alcohol, ether, and chloroform are also very scarce, and pure spirit may only be sold by special permission. Spiritus saponatus and soft soap are absolutely unobtainable in consequence of the scarcity of soap. Spirit of camphor can only be furnished when the customer himself supplies the camphor. Exportation of tea outside Vienna is only allowed when the permission of the 'Kaffee-Zentrale' is obtained. Chloral hydrate and paraldehyde cannot be obtained from Germany, as permission for the exportation to Austria is withheld. Senna-leaves are only to be had *via* neutral countries in very small lots of a very poor quality, and at extremely high prices. Citric acid will soon fail completely, as no citrate of lime can be imported. In consequence of the commandeering of sugar, several pharmaceutical preparations cannot be made; for the preparation of prune-pulp, of potassium-guaiacolate syrup, and of senega and thyme syrup small quantities of sugar have been given free."

German Drug-markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of January 10, 1917:

Balsam Copaiba is becoming scarcer than ever, and prices, which were already very high, have again advanced. Extra fine balsam D.A.B. V. is from m.880 to m.900 per 100 kilos., medicinal Maracaibo D.A.B. V. from m.820 to m.840; filtered Maracaibo from m.780 to m.800; and commercial, according to quality, from m.700 to m.750 per 100 kilos.

Caraway-seed.—*Dutch* is badly wanted, but nothing is being imported from Holland, and the stocks in Germany are entirely cleared. Last sales were made at from m.450 to m.500 per 100 kilos.

Cardamoms.—Stocks are extremely small, and the demand cannot be satisfied. Genuine Ceylon-Mysore are quoted at from m.19.50 to m.22.50 per kilo. A quantity of newly imported seed has been offered at from m.23 to m.26 per kilo.

Cassia has been offered in rather large quantities of late, owing to new imports. Selected bundles are offered at from m.1,670 to m.1,700 per 100 kilos.; first Padang cassia at from m.1,750 to m.1,760; second Padang at from m.1,625 to m.1,650.

Cevadilla remains in good demand; prices are so high, however, that only small quantities have been sold.

Citric Acid has been rather active in consequence of the high prices paid for tartaric acid. From second-hand stocks rather large quantities have been sold.

Cloves.—*Zanzibar* are cheaper, as large quantities have been offered, and the demand has fallen off considerably. The price for fair is from m.15 to m.16 per kilo.

Cinnabar has again been advanced by m.2 per kilo. in consequence of the extreme scarcity and high prices of quicksilver. The price is m.15.50 per kilo. for pure cinnabar and m.14.50 for second quality.

Condurango is cheaper, as the demand has fallen off and new lots have been imported. First natural is from m.290 to m.300 per 100 kilos.

Copal.—On the Amsterdam market 1,358 packages of copal of a total weight of 99,400 kilos. have been offered; 505 packages weighed 35,890 kilos., and were hard copal, and 853 packages, of a total weight of about 63,510 kilos., of soft copal; 143 packages of hard copal (total weight about 12,500 kilos.) have been sold.

Cream of Tartar is only to be had in very small lots, and prices are very high, so that there is not much demand; prices are expected to advance further still. 99/100 p.c. is from m.950 to m.975 per 100 kilos.

Dammar.—A lot of 100 cases of Batavia and 174 cases of Padang have been offered in vain in the Amsterdam market.

Ergot has been sold in small quantities at from m.5.50 to m.5.75 per kilo.

Gelatin is in active demand, and is only to be had in very small quantities. The distribution of raw material by the War Committee takes place very irregularly and unsatisfactorily, and four German factories have already closed down, and many others will have to follow.

Gum Arabic has been slightly more active in consequence of the lower prices.

Kava-kava is quoted at m.425 per 100 kilos. Second-hands stocks are rather large still, and are quoted at much lower prices.

Marshmallow-root.—The inland crop is very unsatisfactory. Moreover, the wages that are paid for gathering, etc., are also high. Prices are from m.320 to m.400 per 100 kilos., according to quality.

Mastich is only to be had in very small quantities at extremely high prices.

Menthol is in rather active demand at firmer prices. Large quantities are offered by neutral countries. At present from m.59 to m.60 per kilo. must be paid.

Oils (Essential).—*Star Anise* is quoted at m.20, but has not been sold of late. *Bergamot* is still to be had at m.80. *Caraway* is unchanged. *Cassia* is still obtainable at m.25. *Clove* is also unchanged. *Globulus eucalyptus* is m.16. *Lavender* is very scarce. *Ceylon lemongrass* is only offered in very small quantities. *Patchouli* is m.150. Japanese *Mint* is lower in consequence of large quantities being offered. Suddenly, however, the demand has increased considerably, and the market is very firm again, with prices advancing. Siberian *Pine-needle* is to be had at m.10. *Pomeranian* is quoted at m.40. East Indian *Sandalwood* is obtainable at m.72.

Oils (Fixed) and Fats.—The War Committee charged with the distribution of fixed oils and fats makes use of the greater part of the fixed oils it has at its disposal in the manufacture of margarine, which is required in ever-increasing quantities by the German population. Food-oil is only accorded by the Committee to districts where the inhabitants were already in the habit of using rapeseed and linseed oils in the place of other fats before the outbreak of war. The Committee distributes fixed oils at m.4.50 per kilo., a price which has been fixed in connection with the margarine price, and has been calculated on the average price that is paid for inland and foreign oil-seeds. The retail price for War Committee oil is from m.5 to m.5.50 per kilo. Other oils of various origin and quality are obtainable in the market at up to m.36 per kilo. These oils have partly been made from hazel-nuts and other oily fruits and seeds, the trade in which is "free." The preparation of hazel-nut oil and some other oils is so expensive, however, on account of the high prices paid for raw material, that no excessive profits are being made.

Olibanum.—As stocks of all kinds of gums are failing the demand for olibanum has largely increased, and prices have advanced considerably. First drop is from m.775 to m.800 per 100 kilos., and grains, according to quality, from m.700 to m.775.

Ozokerite has been asked for in large quantities, but only very small lots are obtainable at very high rates.

Paraffin of all sorts is in active demand. At the beginning of November the price of white solid was already so high that a further advance had become impossible. Dark yellow was a little cheaper, but has also advanced considerably since the beginning of December.

Potash Ferrocyanide.—Makers have almost cleared their stocks; others can only furnish very small quantities for prompt delivery. First crystals are quoted at from m.185 to m.195 per 100 kilos.

Quillaia.—In consequence of increased demand prices have slightly advanced; stocks are sufficiently large.

Shellac is offered in larger quantities, but the demand is not very active.

Vanillin is in active demand, but is only obtainable in very small quantities, m.275 to m.280 per kilo. being wanted.

Waxes.—*Bees'* of German origin has been offered in larger quantities, and sales have been made at slowly advancing prices. *Carnauba* and *Japanese* wax are offered in small quantities; prices are nominal. Crude *Montan* wax is firm, with only small lots offered.

Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals in the Port of London during the period February 13 to 20 inclusive. The countries specified are those from which the goods are consigned. Goods in transit are not included.

Acetanilide (U.S.) 3 brls.
Acetate of lime (U.S.) 391 bgs.
Acetic acid (U.S.) 27 brls.
Acetyl-sal. ac. (U.S.) 3 cs.
Albumen, egg (Ch.) 8,237*l.*; egg pulp (So. Aust.) 9,137*l.*; egg yolk (Ch.) 21,695*l.*; eggs, liquid (Ch.) 1,439*l.*
Aloes (B.I.) 12 cs.
Anise oil, star (Ch.) 185 cs., (Sp.) 1 drm.
Annatto-paste 3 cs.
Annatto-seed 50 bgs.
Antim., cr. 30 tons
Antim. ore 45 tons
Argol (Fr.) 153 bgs., (Port.) 293, (Sp.) 84
Asafetida 3 cs.
Bals. Peru (U.S.) 5 cs.
Benzoin 70 cwt.
Benzyl acetate (Swz.) 3 cs.
Bismuth ore (N.S.W.) 15*l.*
Bromo valerianate (Fr.) 2 cks.
Camphor (Fr.) 65 cs., (Jp.) 725 cs., (H. Kong) 19 cs.
Cantharides (Ch.) 40 cs.
Cardamoms 11 cs.
Casein (Vic.) 425*l.*, (N.Z.) 880*l.*
Cashew-nuts 100 cwt.
Cassia fistula (Jv.) 58 bkts.
Cerium nit. (U.S.) 174*l.*
Chloral hyd. 800 lb.
Cinchona (Holl.) 774 bls., (B.I.) 117 bls.
Citric acid (It.) 180 kgs., (Fr.) 4 cks.
Cochineal (Can. I.) 28 bgs.
Copra 5,550 cwt.
Coumarin (U.S.) 4 cs.
Cream of tartar (Fr.) 8 cks. 4 cs.
Dental goods (U.S.) 1,180*l.*
Dextrin (U.S.) 50 cwt.
Dragon's-blood (Aden) 24 cwt.
Drugs, unrated (Swz.) 17*l.*
Dyes, diamond (U.S.) 228 cs.
Essences, flavouring (Jp.) 13 cs.
Farina (Jp.) 2,800 cwt.
Formaldehyde (U.S.) 83
Galls (Ch.) 2,165*l.*
Gambier 330 bgs. 152 cs.
Gamboge (Siam) 3 cks.
Gums: acacia (Fr.) 1,880 cwt., (Mor.) 46 cwt., (B.I.) 600 cwt.; copal (S.S.) 735 cwt.; damar (Borneo) 34 cwt.; kauri (N.Z.) 476 cwt.; sandarach (Mor.) 22 cwt.; tragacanth (Pers.) 34 cwt., (B.I.) 176 cwt.
Gums, unrated (Egy.) 32 cwt.
Heliotropin (U.S.) 1 cs.
Herbs, dried (Fr.) 12 bls., (Jp.) 36 bgs.
Horlick's m. milk tab. (U.S.) 328 crts.
Indigo (B.I.) 338 chts 10 cs.
Juniper-berr. (It.) 46
Kola (B.W.I.) 3 brls.
Lime-juice (B.W.I.) 100 gal.
Liquorice-juice (Sp.) 60 cs.
Liquorice-root (B.I.) 175 bdls.
Maize-starch (U.S.) 3,957 cwt.
Manna (It.) 1 cs.
Methyl. salicyl. (U.S.) 20 cs.
Milk-powder (Jp.) cwt.
Milk-sugar (U.S.) 50 brls., (Hull) 50 cs.
Myrrh (B.I.) 44 cwt.
Oils, essential, natural (Fr.) 4 cs. 5 cks., (It.) 84 cs., (Holl.) 1 cs., (U.S.) 31 cs. 4 dms., (B.I.) 29 cs. 3 dms., (Java) 2 dms., (Jp.) 10 cs., (H. Kong) 50 cs.; *artificial* (U.S.) 22 cs.
Oils, fixed: castor (B.I.) 112 cks.; coconut, unref (B.I.) 308 pps., (Ch.) 19 pps., (Cey.) 56 pkgs., *refined* (B.I.) 48 pps. 7,483 cs.; fish (Jp.) 500 cs.; olive, ref. (Sp.) 5 tuns, (Fr.) 500 gals. 9 tuns; shark (Jp.) 1,000 cs.; soya (S.S.) 160 dms.; wood (Ch.) 4,364*l.*, *unrated* (Jp.) 2,000 cs.
Ointment (U.S.) 145*l.*
Opium (Pers.) 10 cs.
Orris (Mor.) 18 bgs.
Paraformaldehyde (U.S.) 7 cs.
Perfumery (Fr.) 417*l.*; toilet-powder (Fr.) 1,550*l.*, (U.S.) 880*l.*
Phenacetin (U.S.) 7 cs.
Plasters (U.S.) 10 cs.
Potash carb. (B.I.) 8 dms. 11 cs.
Pyrogallic ac. (U.S.) 8 cs.
Pyrogallol (U.S.) 2 cs.
Rice starch 403 cwt.
Rosin (Port.) 151 brls.
Salicylic acid (U.S.) 71 brls. 1 dm.
Salol (U.S.) 5 cs. 7 kgs.
Sandalwood 6 pkgs.
Santal Mdy (Fr.) 4 cs.
Scammony-root (U.S.) 202 bgs.
Seeds: canary 5,550 bgs.; coriander (Mor.) 441 bgs.; cumin (Mor.) 378 bgs.; fenugreek (Mor.) 410 bgs.; linseed (Ch.) 3,862 bgs., (B.I.) 2,729 bgs.; soya (S.S.) 3,000 bgs.
Senna (B.I.) 866 bls., (Egypt) 85
Soap, toilet (Fr.) 675*l.*
Soda bisulphite (U.S.) 467 cwt.
Soda cacodylate (Fr.) 1 cs.
Soda caustic (U.S.) 1,610 cwt.
Spices: cinnamon (Cey.) 86 bls. 5 cs., (Sev.) 630 bgs.; chillies (Jp.) 224 bgs.; mace 40 cs; nutmegs (S.S.) 311 cs., (B.W.I.) 8 bxs.; pepper (S.S.) 909 bgs., (B.I.) 1,011 bgs; pimento 21 bgs.
Sponges 367 bls.
Stramonium - leaves (It.) 25 bls.
Talc (Fr.) 350*l.*
Tannic acid (U.S.) 5 brls.
Tartaric ac. (It.) 12 brls. 180 pkgs.
Thorium nit. (U.S.) 1,740*l.*
Vacuum-flasks (U.S.) 15*l.*
Vanilla (N.Z.) 8 cs., (Seych.) 32 cs.
Wax, bees' (Fr.) 120 pkgs. 40 bgs., (It.) 24 bls., (B.I.) 26 cs. 30 bgs. 35 pkgs., (Zan.) 172 pkgs., (Mor.) 107 bgs., (Egy.) 6 bls., (Gib.) 7, (Suez) 5, (Port.) 12 bls. (Port. E. Af.) 52 bgs
Wax, paraffin (U.S.) 2,424 cwt., (S.S.) 500 cwt.
Cancelled entries: Nov. 25, casein 2,000*l.*, (Fr.); Dec. 1-4, acetic ac. (U.S.) 319 cbys.; Dec. 2, fusel oil (Russ.) 210 dms.

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Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

The Use of the "Mil."

Sir,—If Mr. Harold Deane and myself are in substantial agreement as to the facts regarding the graduation of "c.c." and "mil"—and I think we are—it follows that if we are at variance it is only in the deductions to be drawn from such facts. Mr. Deane says that "to measure mils accurately all that is required is to get measures graduated for the temperature at which you intend to use them." I think I am in agreement with this as an abstract statement, though I do not know that I would have so expressed it, but when translated into the concrete anyone can see that the idea leads into the region of the utterly impracticable. Mr. Deane further thinks that these "refinements have no practical bearing on the dispensing of medicines," and again I agree; but the corollary I draw is that it was ridiculous to make an alteration in our official medicine-book which, on Mr. Deane's own showing, cannot affect in the slightest degree the accuracy of dispensing, but which, if strictly adhered to, will mean the scrapping of many hundreds of pounds' worth of perfectly satisfactory glassware both in pharmacies and chemical laboratories.

Yours, etc.,

Thomas Maben.

Appreciation and Suggestion.

Sir,—Being a regular reader of your ably edited and published weekly journal, and deriving very great instruction and business help from both the advertisement and literary sections, it has frequently occurred to me what an additional help it would be to busy pharmacists, their assistants and apprentices if other firms would follow the lead set by "The House of Maw," Messrs. Burroughs Wellcome & Co., and a few others, and as explicitly and yet definitely bring to the notice of your subscribers and other readers of your paper their specialities, etc. I invariably look up first "Maw's Page," then turn to the Wellcome page, and having read both feel better equipped for "the struggle" than before. It has frequently occurred to me when reading your Tribunal Notes as they affect pharmacists, observing the difficulty proprietors experience in securing the services of qualified men to act as managers, in some cases having to close up branch shops that under such circumstances it should be possible (for at least the duration of the present war) for the British Pharmaceutical Society and the Irish to form a reciprocal or somewhat similar arrangement enabling men holding the Final certificate of the Irish Pharmaceutical Society to act as managers for their English and Scottish *confrères*. It is now over forty years since the Pharmacy Act (Ireland) was placed upon the Statute Book, and it will, I think, be conceded that a reciprocity treaty might now be advantageously arranged.—Yours faithfully.

Bray. John H. Boardman, L.P.S.I.

The London C.P.A. Price-list.

Sir,—There being apparently much misconception abroad as to the object of the London County Pharmacists' Price-list, it is only fair to the founders of it to give a few explanatory words in your columns. The idea of the list is in vogue in some provincial centres—viz., that of gradually bringing into line those members of the craft who so misguidedly sell goods at unremunerative prices. The sole object of its issue is to obtain ultimately an agreed minimum selling price that will yield a fair profit. In ninety-nine cases out of a hundred a man gets his too-low price merely because "So-and-So sells at that"; the one out of the hundred sets the tune from some quixotic idea that tilting at a windmill may bring grist to it. Get all men to combine and agree on a minimum price, that price can then be raised to a profit-earning level. To get such minimum as a basis on which to start one must take the lowest prices in a given district, otherwise the biggest cutter cannot be got in. This is the sole object with which the L.C.P.A. price-list was inaugurated. "Xrayser II." speaks of the "Guide" of Mr. Philip, of Herne Bay. I know that list intimately, and need only say that if it and similar Guides could command definite agreement of abidance by quoted prices, no one would welcome them more than I; but it is useless for 90 per cent. to agree if the 10 per cent. cut below. The L.C.P.A. idea may be Utopian, but I fail to see the use of Associations and co-operation unless we can all agree on so simple and easily solved a question as that of maintenance of minimum prices. One valuable factor in the publication of the L.C.P.A. list has been overlooked—that of the surplus-stock lists printed on the back page. Each of the six district Associations of London county has its own surplus list on the price-list supplied to its members. The Secretary of each Association is supplied with the list of every other Association, so that he is in touch with the holders of a few thousand items of overstock. This means that an inexpensive but valuable exchange bureau is in existence capable of yielding benefits to those wideawake enough to use it.

Yours truly,

Streatham. C. Breese.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

A Formula Wanted.

Modus Operandi (214/50) writes: "Could any of your numerous readers kindly inform me of a reliable formula for making a concentrated essence of rennet that could be diluted to about one in three, and a tablespoonful of which to Oij. of new milk would be sufficient to produce a good solid junket?"

A Question of Pricing.

Scot (215/2) writes: "The dating of certain brands of foods, lately adopted by a few firms, is not greatly welcomed by retailers. Foods of this description have periodical 'off' turns, and quite inadvertently a chemist may happen to sell a package the date of which has expired. Are the wholesale houses, by the way, authorised to replace such stock, or are the exchanges made under the conditions which obtain with photographic films?"

Telephone Charges.

Subscriber (217/1) has a telephone contract with the Post Office for 500 calls, and he recently had a demand from the District Manager for 15*s*., being the charge for 250 additional calls. Our subscriber had kept a record of the number of telephone calls which he had made, and promptly took the matter up with the District Manager, pointing out that the number of calls made was less than 100. The result of the official inquiry was the admission by the District Manager that an error had been made in the account owing to an incorrect record having been forwarded from the local exchange. Our subscriber remarks: "If any other chemists are so placed I hope they may be able as easily to extricate themselves from the clutch of the monopoly or its errors." This advice deserves to be attended to.

Legal Queries.

X. Y. Z. (22/68).—The mistress would be acting illegally by deducting the railway fare from the servant's wages.

Lever (222/45).—"For burns, cuts, etc." makes the medicinal preparation liable to stamp-duty. There is nothing in the other labels to make the preparations dutiable.

Kappa (216/38).—It is illegal (unless there is an agreement to the effect) to deduct from an assistant's salary a day's pay on account of his illness. See Assistants, *C. & D. Diary*, p. 377.

Alpha (214/40).—We can only answer your question from the medicine-stamp view, and refer you to the *C. & D. Diary*, p. 366, where you will find that the use of the possessive case makes compounded medicines to which it is applied liable to medicine stamp-duty. This applies to wholesale and all other transactions.

Limited (213/3).—More than 3 per cent. of carbolic acid in liquid preparations is the proportion fixed by the Poisons and Pharmacy Act, 1908, for making a phenol preparation poison. Soaps containing carbolic acid are not brought under the Act either as a "poison" or "poisonous substance," nor any other preparation of the acid which is not liquid.

Salol (210/42).—The Licence examination certificate of the Pharmaceutical Society of Ireland is not recognised in Great Britain under the Pharmacy Acts, and is not accepted as equivalent to the Minor examination certificate for exhibition in a shop where the business of a chemist and druggist is carried on, as required by Section 3 (2) of the Pharmacy Act, 1908.

Subscriber (213/19).—It is not unlawful to carry on business under such a name as the L—— Oil Co., provided that this is not an infringement of somebody else's trading name. Of course, such a company must after March 21 be registered under the Business Names Act, 1916, and the true name of the person used in certain cases, as mentioned in the *C. & D.*, February 10, p. 44.

W. R. (221/7).—You will find the cocaine and opium regulations in the *C. & D. Diary*, p. 254, and corrections and supplement to them in the *C. & D.*, December 9, 1916, p. 34. The regulations do not apply to liquid preparations of opium, nor to such as Collis Browne's chlorodyne, but they apply to solid or semi-solid mixtures containing opium (p. 359).

Crasmare (211/47).—A person who holds the Assistants' certificate of the Apothecaries' Society is entitled to dispense Insurance prescriptions for a chemist and druggist or other contractor with an Insurance Committee for the dispensing of such prescriptions. The Act does not say anything in regard to supervision of such assistants; it simply authorises a chemist or other contractor to employ them for dispensing.

Giltspur (220/25).—The questions that you put in regard to the Business Names Registration Act were really answered by anticipation in the *C. & D.*, February 10, p. 44. It will not be necessary to put the true names of partners in a firm over the shop, nor on the shop labels, but these true names must be put on letter-paper, account forms, trade catalogues, trade circulars, and any other stationery which you reasonably suspect to be in these classes. See Section 18 quoted in the above-mentioned note.

Camrae (221/46).—As you trade under the name of your predecessor it will be necessary for you to register under the new Act, using form R.B.N. (see *C. & D.*, February 17, p. 35). It is not necessary for you to change your labels or the trade names, nor to add your true name to the facia or other shop sign, nor to the labels, but the business letters must bear your true name (see *C. & D.*, February 10, p. 44). Present stocks of printed matter that are covered by Section 18 can be used on and after March 22 (when the Act comes into force) if the true name is added by means of an indiarubber stamp, or the additional matter added in some other way. See note on p. 55.

Tyke (213/60).—Laudanum, B.P. 1898, contained from 0.7 to 0.8 per cent. of morphine, and this was raised to 1 per cent. in the B.P. 1914, which thus brought it within Part I. of the Poisons Schedule, the 1898 tincture remaining in Part II. Consequent upon representations to the Privy Council and the General Medical Council by Dr. Waldo, the Pharmaceutical Council on February 2, 1916, resolved that "opium and all preparations or admixtures containing 0.75 per cent. of morphine" should be in Part I. "Laudanum" is tr. opii, B.P. 1914, until the contrary is proved, as it probably may be in exceptional cases. Tr. camph. co. must be made with tr. opii, B.P. 1914.

Cibum (217/29).—A man died intestate leaving a brother, nephews, and nieces. His property consists of money in the Post Office Savings Bank and of Post Office War Loan Certificates, the latter being issued in the name of A., who has signed a paper guaranteeing that the deceased's brother will administer the estate. The brother has obtained possession of the money and certificates, and refuses to part with them. By what means can A. obtain possession of the property or ensure that it is properly divided? [The facts of the case are not stated by "Cibum" sufficiently fully or clearly to enable us to express a definite opinion. We gather that A. has become surety for the due administration by the brother of an intestate's estate, and that the brother, after getting in the estate, refuses to divide it among the next-of-kin. Unless A. is himself one of the next-of-kin we do not think he can take any action against the brother until legal proceedings have been taken against him (A.) as surety.]

Miscellaneous Inquiries.

C. L. T. N. (202/50).—Books on Coal-testing.—The following are the most useful books dealing with this subject: Coste and Andrews' "Examination and Thermal Value of Fuel" (Griffin, 1914); Brislee's "Introduction to the Study of Fuel" (Constable, 1912); Poole's "Calorific Power of Fuel" (Chapman and Hall, 1903); Gill's "Gas and Fuel Analysis for Engineers" (Chapman and Hall, 1902). There are also articles on the subject in Thorpe's "Dictionary of Applied Chemistry," article "Fuel," and Lunge and Keane's "Technical Methods of Chemical Analysis," article "Fuel Analysis" (Vol. I., Part I.).

H. G. (191/25).—Cremor Marylebonensis, as given in the St. Marylebone General Dispensary Children's Pharmacopœia, 1913, is as follows:

Olei lini...		ʒss.
Ac. benzoic.,		
Glusidi	aa.	gr. $\frac{1}{32}$
Ol. amygdal. amaræ... ...	...	♏ $\frac{1}{16}$
Decoct. chondri crispi ad ...	...	ʒj.—M.

Tara (216/49).—Suprarenalin is quite a good drug to combine with didymin in the case described.

C. W. P. (182/62).—(1) How to Use Henna.—The following are the particulars given by Clasen in his book on the skin and hair. He states that henna (*Lawsonia inermis*) is used along with reng (indigo-leaves). First of all it is necessary that the process of dyeing should take place in a warm room, as at a low temperature the dye does not develop. Further, a large quantity of warm water must be available for the purpose of rinsing the hair. For one dyeing on an average 100 grams of the mixture is used, and particular care must be taken that the ingredients are quite dry. The mixture is composed as follows:

For dyeing a light brown: 80 parts of reng and 40 parts of henna.

For dark brown or black: 90 parts of reng and 30 parts of henna.

Half a litre of water is gradually added to the mixed powders to form a smooth paste, which is thickly applied to the head and the hair, the hair having been previously freed from grease. Long hair is best plaited, and the plaits filled with the paste, the paste being well pressed into all parts between the hair. The plaits thus treated are then wound round the head, and the whole of the hair covered with the paste so that not a single hair protrudes from the green mass which covers the head like a cap. After this process is ended two hours must elapse in the case of brown dyeing, and three to four hours for black dyeing, before the paste is removed. The mass is then rinsed from the head and hair with a large quantity of water, and the hair continually combed with a wide comb whilst water is poured over it. The rinsing lasts for half an hour, and is finished when the water runs clear from the hair. As the colour can only be judged after six hours it is best to use the dye in the evening. If the hair is lustreless after the drying the dye has not been successful and must be repeated, otherwise blue and red tints will appear on the hair which only disappear after weeks. Paschkis describes a process in which a paste of henna is applied to the hair (previously freed from grease), and is left there for an hour. The hair is then rinsed with lukewarm water, and shows an orange-red colour. A paste is next prepared of powdered indigo-leaves (reng) and applied to the hair, left on an hour, and then rinsed off. The hair at first shows a green-black colour, but this gradually changes into a deep black. He also states that brown or grey hair can be made to acquire a golden tint by using henna alone sparingly. For this purpose the hair is rubbed with henna paste by means of the finger-tips. A beautiful red colour can be obtained with grey hair if the hair is first bleached with peroxide of hydrogen. (2) Side-lines.—We suggest a study of the advertisements in our publications, which should give you ideas as to a suitable side-line for your business. It is obvious that you are the best judge of the suitableness of any side-line goods for your business.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Feb. 15, 1867.

Pharmacy Legislation Prospects.

Mr. S. C. Betty, member of the Executive Committee of the United Society of Chemists and Druggists, communicated a long letter to the *C. & D.* on "Our Trade Societies," in which he spoke about the Pharmaceutical Society and the United Society of Chemists and Druggists. This dealt largely with the legislative prospects that were then the burning topic of the day. Mr. Betty said that "it may be assumed that the number entitled to register under the Act would be 7,000. Judging by the apathy shown hitherto, we cannot reckon that more than 2,000 at the utmost will take steps for their election as members of the Pharmaceutical Society. There are 2,500 pharmaceutical chemists banded together to support the present status of the Council and the members of the United Society, of whom it may safely be predicted not more than 500 would become members of the Pharmaceutical Society." Mr. Betty proceeded to argue for the Pharmaceutical Society, saying that any new members would enjoy all its accumulating advantages.

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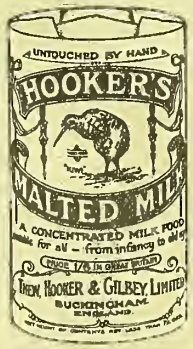

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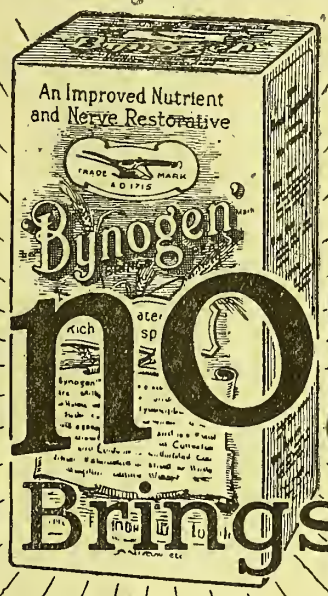

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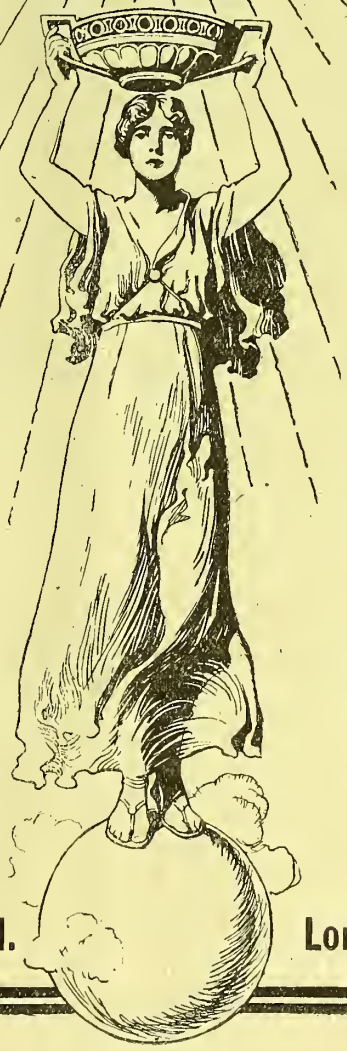

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Papain, 1-80, 1 oz. @ 3/- oz.
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Potass. Brom. P.B., 7 lbs. @ 7/9 lb.
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Potass. Cit., B.P., 7 lbs. @ 4/4 lb.
Potass. Cyanidum, 98%, 7 lbs. @ 3/9 lb.
Potass. Iod., P.B., 14 lbs. @ 15/- lb.; 3 lbs. @ 15/6 lb.
Potass. Metabisulph., 7 lbs. @ 3/3 lb.
Potass. Permang., Cryst., 2 lbs. @ 14/- lb.
Potass. Prussias Flav., 7 lbs. @ 5/6 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 1/- lb.; c. Opio, B.P., 7 lbs. @ 3/- lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 102/- cwt.
Pulv. Ipecac. Comp. P.B., 1 lb. @ 7/- lb.
" Jalap Comp. P.B., 1 lb. @ 2/4 lb.
" Rhei Comp. P.B., 1 lb. @ 2/- lb.

Quassia Chips, 1 cwt. @ 40/- cwt.; 28 lbs. @ 5d. lb.
Quinine Bisulph., 10 oz. @ 4/3 oz.
Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.
Quinine Hydrobromas. B.P., 25 oz. @ 3/9 oz.; 10 oz. @ 3/10 oz.
Quinine Hydrochlor., B.P., 25 ozs. @ 3/6 oz.; 10 ozs. @ 3/7 oz.
Quininæ Sulph., B.P., 100 oz. @ 3/- oz.; 25 oz. @ 3/2 oz.; 10 oz. @ 3/3 oz.

Rad. Gentian, English Ground, 1 cwt. @ 118/- cwt.; 7 lbs. @ 1/2 lb.
Rad. Glycyrrh. English Ground, 1 cwt. @ 72/6 cwt.; 7 lbs. @ 9d. lb.
Rad. Ipecac. Rio., 1 lb. @ 11/-.
Rad. Jalap, English Ground, 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/5 lb.
Rad. Rhei., E.I., English Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
Rad. Rhei. E.I. Trimmed, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Resorcin, B.P. 1 lb. @ lb.

Saccharine, 7 lbs. @ lb.; ·550 or ·500, 1 lb. @ lb.
Saccbar. Ust., 1 cwt. @ 65/6 cwt.; 10 lbs. @ 8½d. lb.
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Sal. Acetos., 7 lbs. @ 2/7 lb.
Salicinum, B.P., 1 lb. @ 28/- lb.
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Sang. Draconis, pulv., English ground, 7 lbs. @ 3/- lb.
Santoninum, P.B., 16 oz. @ 160/- lb.
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Soda Hyposulphite, pea cryst., 1 cwt. @ 23/- cwt.
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*Tinct. Catechu, P.B., 5 lbs. @ 3/1½ lb.; Aquos, 1/1 lb.
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*Tinct. Scillæ, B.P., 5 lbs. @ 3/1 lb.; Aquos. 11d. lb.
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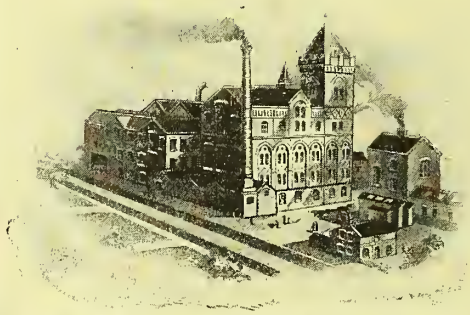

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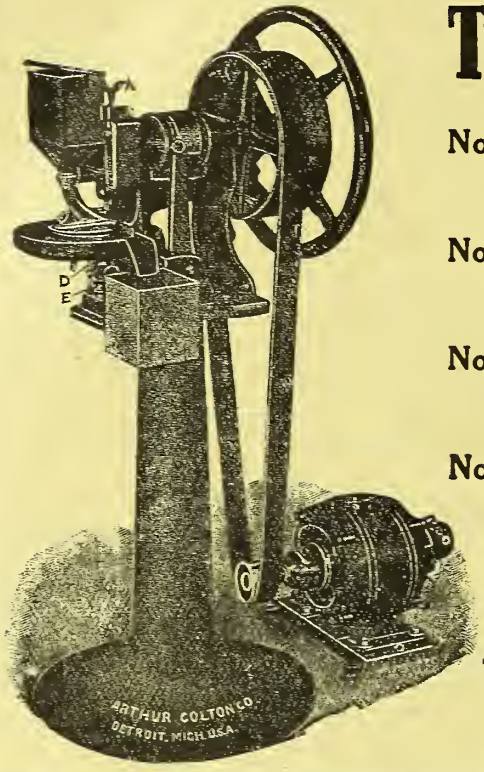

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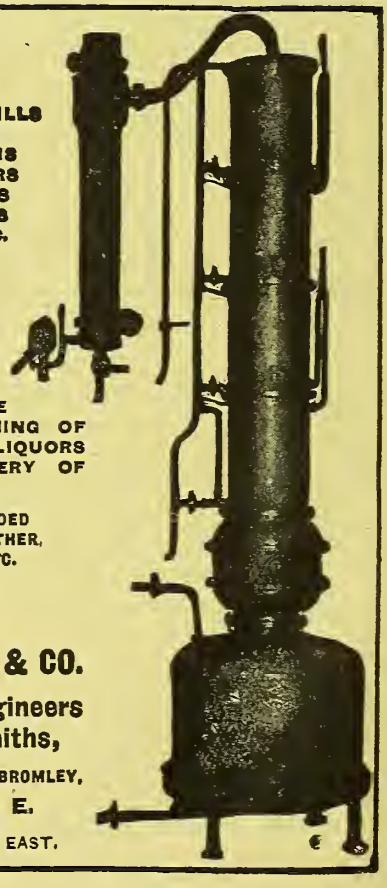

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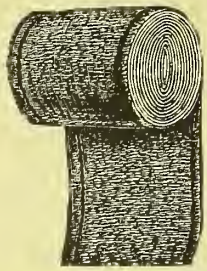

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Medium substance for ordinary wear	per doz.	**8/2**	**9/7**	**10/9**	**13/6**
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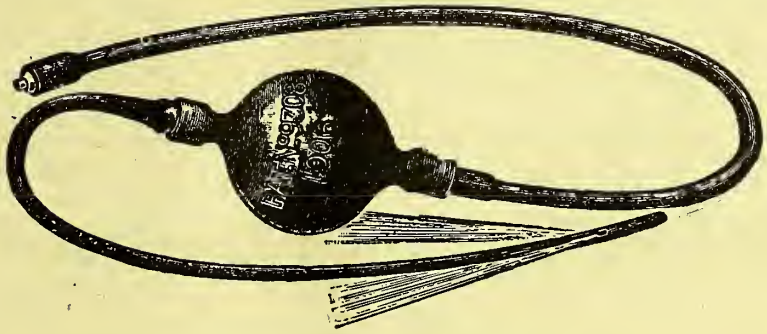

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[See p. 429 "C. & D." Diary 1917

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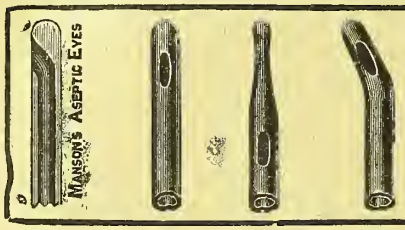

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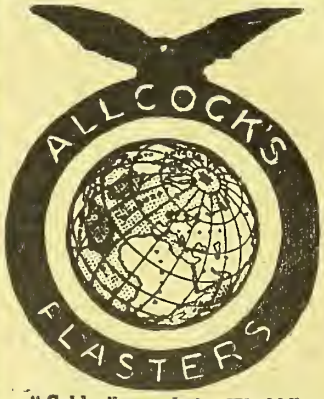

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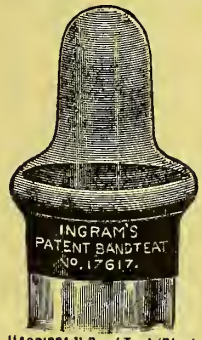
"Agrippa"

PATENT No. 17617

BAND TEAT & VALVE

(BRITISH MADE BY BRITISH LABOUR)



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The Nearest Copy to the Natural Nipple

(Note the patent band around the teat that grips tightly to the neck of the bottle.)

The "AGRIPPA" Band Teat will fit any boat-shape feeding bottle, and will not slip off.

¶ The Teat and Valve can be sterilised or cleansed by simply boiling in water, and the quality of rubber will not be deteriorated thereby.

The **Patent Band Valve** is devised according to the most up-to-date theories, and affords a means of regulating to perfection the flow of the milk food.

"AGRIPPA" Band Valve (Black or Transparent Rubber).

The "AGRIPPA" Patent Band Teat and Valve are protected by the P.A.T.A., and are supplied on the understanding they will not be re-sold to Chemists and Retail Trade at lower prices than quoted below.

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"AGRIPPA" TEAT (Patent No. 17617) Black or Transparent	2/6 per Doz. Net 27/6 per Grs. Net (for orders of 3 Doz. and over).	3½d. EACH.
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Best English Teats, Transparent, 1/6 dozen, 16/6 gross lots.
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Finest White, "without spot or blemish." Four sizes (up to 8 oz.), in separate 6-gross bags, one size in a bag. 5/- per bag, 5/6 post free.

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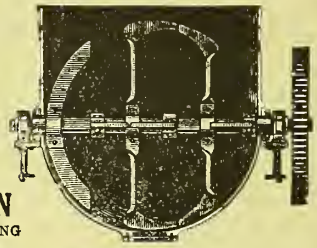

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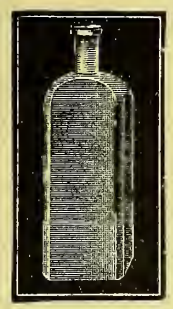

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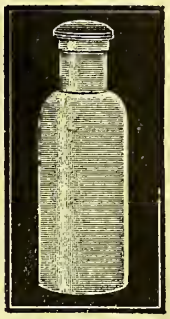

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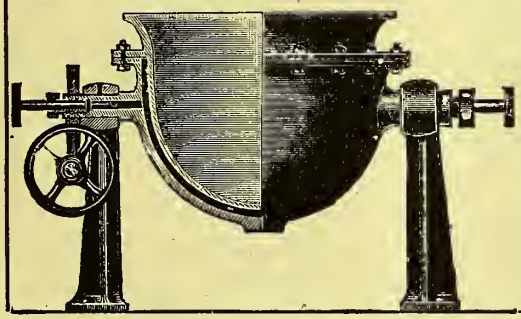

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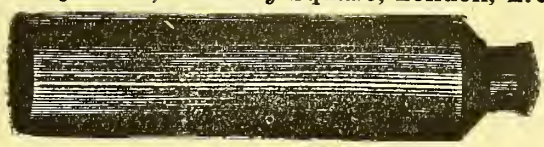

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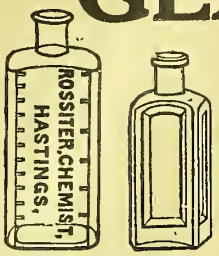

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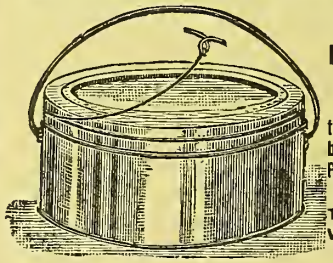

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THE ORIGINAL

TRENCH POWDER

The gathering together of large numbers of human beings under conditions which render much attention to personal cleanliness absolutely impossible, must inevitably give rise to body parasites.

Ordinary insect powders are useless in attempting to deal with these, but **May, Roberts' "Trench Powder"** is not only a preventive of the pest, but will also rid the body of their presence.

When sprinkled in the clothing or bedding material, a gas is evolved by the bodily heat which is fatal to all forms of insect life.

In addition to this ingredient, May, Roberts' "Trench Powder" includes constituents which are in themselves obnoxious to lice, and will prevent them establishing themselves.

PRICE—in Sprinkler-top Packages, label in two colours:

2/3 per dozen; **2/-** per dozen in 12 dozen lots

LESS 5% DISCOUNT.

MAY, ROBERTS & CO., LTD. 7, 9 & 11 Clerkenwell Road, LONDON, E.C.

& 16 WESTMORELAND STREET, DUBLIN.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, FEBRUARY 24, 1917.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemious Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.' Everybody in the drug-trade knows that only *bona-fide* paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-heads, for it gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, N. (Main Line of Rail).—For immediate Disposal, a good but neglected Business returning, under Assistant, £1,270 at fair prices; books audited by accountant, and stock taken annually; terms, small sum for goodwill and valuation of stock and fixtures.

2.—LONDON (Northern Suburb).—Situate in the main shopping thoroughfare, well-established Business; increasing income; returns between £1,000 and £1,100; profits exceed the usual rate of middle-class business; well-fitted shop and comfortable residence, with garden; price £600.

3.—HERTS. (Borders of).—Ready-money Business; held by vendor many years; returns over £30 per week; good position in main thoroughfare; comfortable residence, with garden; rent moderate; price about £500; vendor invites the fullest investigation.

4.—Very old-established Business, situate on the Banks of the Thames, held by vendor many years, now retiring; returns upwards of £900; *net profit*, £250, after paying every expense; first reasonable offer will be accepted.

5.—CITY (Ten Minutes from).—Ready-money Business; good position in main shopping thoroughfare; returns between £900 and £1,000; *profits above the average of Retail trade*; price about £325.

6.—KENSINGTON.—Established Business, Retail and Dispensing; held by vendor many years; returns £1,000 yearly; *profits above the average of Retail trade*; capital opening for modern trading; terms, value of stock and fixtures.

7.—MAIDA VALE (Near).—Retail, Dispensing, and Optical. Chiefly ready money; returns about £1,000 yearly; well-fitted shop; no active opposition; price £450.

8.—OXON (Market Town).—Good-class Business, Retail, Dispensing, and Photographic, with small mineral-water plant; returns average over £1,000 yearly; scope for development; good position in main thoroughfare; valuation terms entertained.

9.—LONDON, S.W. (Distant Suburb).—Retail and Dispensing Business; very good connection with local medical men; returns upwards of £1,200; *net profit* £300; price £800; stock and fixtures estimated at £600; inspection invited.

10.—PARTNERSHIP.—A Partner required in a very old-established Business situate in a Home County; a gentleman with small capital would not be objected to; returns, including Branch, £3,650.

11.—HEALTH RESORT (Good-class Town).—Retail and Dispensing Business; good opening for Side Lines; returns between £1,000 and £1,100; *net profit about* £400; exceptionally good house; all in good repair; price £750.

12.—WEST OF ENGLAND (Health Resort).—Select, good-class Business, admitting of extension; returns about £1,400; well-stocked shop and good house, on lease; price £1,200.

13.—BRISTOL CHANNEL.—Old-established Business, Retail, Dispensing, and Agricultural; situate in best position in good market town; returns about £1,700; about £1,000 required, for which full value is offered.

14.—CARDIFF.—Retail and Dispensing, together with Wines; returns £1,500; excellent premises, situate in main thoroughfare; vendor desires to take up an appointment, and for a quick sale will accept the value of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

PARSON C. BAKER
(Pharmaceutical Chemist),
Trade Valuer & Transfer Agent.
Recommended by The British Drug Houses, Ltd.; Messrs. Meggeson & Co.; Barclay & Sons, Ltd.
Valuer to the Association of Manufacturing Chemists.
1 Mountfield Road, CHURCH END, FINCHLEY, N.
Tel. No.: Finchley 812.

THOS. TOMLINSON & SON
CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.
Established over Half a Century.
Telegraphic Address: "Tomtom."

BATTAM & HEYWOOD
(Estd. 1837.)
CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS.
Balance Sheets Prepared. Books Audited.
3 DAVIES STREET, BERKELEY SQUARE, W.
Telephone: Gerrard 2169.

BERDOE & FISH
VALUERS & TRANSFER AGENTS,
35 Jewry Street, Fenchurch Street, City.
Telephone: 1809 Central.
NO CHARGE TO PURCHASERS.

1.—SOUTHEND-ON-SEA (Death Vacancy).—Good-class Business, in excellent position, within 1 minute of Cliffs and Bandstand; returns £800, and before the war restrictions did over £300 a year in photographic materials, and will again under normal conditions; good house and garden; stock and fixtures worth about £500; price, £600, or offer; personally known and recommended by us.

2.—HERTS (Market Town).—Most desirable light country Retail; easily worked; returns about £900; good profits; excellent house, bathroom, etc.; very best position; well stocked; price for prompt sale, £400 cash; strongly recommended.

3.—LONDON (12 miles out).—Middle-class Retail and Dispensing, with Dentistry; returns approach £1,300, increasing; net profit over £400; modern house and large garden; rent £50; compact, well-fitted Pharmacy, well stocked; price about £700; books properly kept; fullest investigation courted.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application. See page 90 of the *C. & D. Diary*, 1917.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

DEVON Seaport.—Light Retail, Dispensing, Prescribing, and Photographic; main road; long lease; old-established; opening for Dentistry; valuation stock and fixtures. 148/16, Office of this Paper.

SOUTH Coast Town.—For immediate Disposal, owing to death of Proprietor, a handsome and well-fitted Chemist and Druggist Business; established 14 years. Full particulars apply, 150/15, Office of this Paper.

TO HAIRDRESSERS AND CHEMISTS' SUNDRIESMEN.

FOR Sale.—Wholesale Business in London; excellent connection; good Stocks; ready sale for Proprietary articles. For further particulars, Parkin S. Booth, Accountant to the Association of Manufacting Chemists, Ltd., 32 Kimberley House, Holborn Viaduct, London, E.C., and at 2 Bixteth Street, Liverpool.

FOR immediate Sale, at low figure, nice, compact, old-established Oil, Drug, and Herbal Stores; serious illness of Proprietor, and Manager called up, sole reasons for sale. Apply, H. P. Middleton, Lister Gate, Nottingham.

HOMŒOPATHIC Pharmacy for disposal in a good suburban district; owner retiring solely on account of advanced age. "H. C." (152/8), Office of this Paper.

MARKET TOWN, Hampshire.—Owing to Difficulty in Obtaining Trustworthy Manager.—Handsomely-fitted, good-class Pharmacy for Sale; returns £1,750 under management; large premises on lease, suitable for big business; short hours; no Sunday duty; practically no N.H.I.; about £1,000; valuation terms entertained; no Agents. 152/16, Office of this Paper.

POPULAR Seaside Resort.—Unusual opportunity; owner gone on active service; Chemist's Business to be sold quickly and cheaply; well-fitted and handsome double-fronted shop in main street; large store-room behind and dark room; stock well selected; no rubbish; about £300 for everything. Full particulars from W. Kemp & Son, Druggists, Horncastle.

RETURNS £1,440; old-established Business, pleasantly situated in country town within easy distance of North Wales coast; good house, yard, small garden and warehouses; lease 5 years; rent £26 and rates; business, old-fashioned, profitable Retail, Prescribing, good Specialities and small Dental practice; investigation courted; good introduction, etc.; valuation about £650. "Genuine" (214/41), Office of this Paper.

SALE or Amalgamation.—Druggists' Sundries and Dressings Business; London; negotiations through principals only. Apply, 223/30, Office of this Paper.

WELL-EQUIPPED Pharmacy; suit purchaser with small capital; good scope; no opposition; holiday resort, Wirral district; increasing returns; Fixtures and Utensils, £35; Stock (as required) at valuation; rent, house and shop, £27; Cash Register (Receipt Printing) and Weighing Machine (personal) optional; good reason for selling. 16 Lonsboro' Road, Seacombe.

£350 WILL Purchase a well-established business in the Midlands; takings could be doubled easy with attention; opening for N.H.I., Optics, and Dentistry; no opposition whatever; thickly-populated district; ill-health only reason for disposal; only Chemist within two miles. 152/310, Office of this Paper.

FOR SALE.

CHEMIST Shopfitting.—Handsome Cases, Counters, and other fittings to be Sold, owing to expiration of lease. Apply, 31 Woodgrange Road, Forest Gate.

FOR Sale.—Chemist and Druggist Wall Fixtures; height 8 ft., length 12 ft.; 24 drawers 12 x 8, and 36 ditto 8 x 7 inches, labelled in opal glass gold-black letters, glass knobs; Mahogany Drawers in good condition; 6 Lockers; Mahogany Top and Shelves; cheap. Apply, Crawcour, 216 Oxford Street, Swansea.

TICKET-PRINTING National Cash Register for Sale (second-hand); Total Adder; wonderful value. Write for further particulars to F. Hessey, 50 St. Thomas Road, Finsbury Park, N.

1 DOZ. Maxim's Pipe of Peace Inhalers; 114s. per dozen, any quantity; trade only. Timothy White Co., Ltd., Portsmouth.

TENDERS.

CONTRACTS.

THE Guardians of the Poor of the Parish of St. Mary, Islington, invite Tenders for the supply of DRUGS and DRUGGISTS' SUNDRIES for three months from the 1st April, 1917 (inclusive), to the several Institutions of the Guardians of the Parish.

Printed forms of Tender must be obtained from the Clerk personally, or a stamped addressed brief-size envelope may be sent.

Sealed Tenders must be delivered at the undermentioned offices on or before Tuesday, 6th March, 1917, and they will be opened at a meeting of the Guardians on Thursday, the 8th March, 1917.

The Guardians do not bind themselves to accept the lowest or any Tender.

By Order,

EDWIN DAVEY, Clerk.

Guardians' Offices,
St. John's Road, Upper Holloway, N.,
19th February, 1917.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

PORTUGAL.—Advertiser, with good business connection in Portugal, would like to take up the Representation of Manufacturers of Chemical Products, Colours, Essences, etc.; principal office in Lisbon. Write to 141/39, Office of this Paper.

TO LET.

HANTS.—Opening for Chemist; shop 20 feet by 16 feet, with sitting-room adjoining, 2 kitchens, 5 rooms over, garden, back entrance, electric light, and gas; rent £50. Fuller, Auctioneer, Weymouth.

BUSINESSES WANTED.

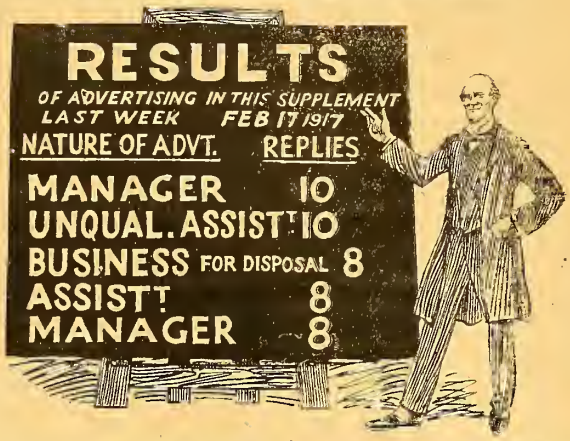
ADVERTISER is desirous of purchasing a well-established, good-paying, Wholesale Proprietary Business; one injured by the war not objected to if still paying well; up to £15,000 available for a really first-class concern; all replies will be treated as absolutely confidential. Write in first case to "Principal" (152/2), Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BARKING.—Unqualified Assistant wanted for about two months; comfortable berth, either indoors or outdoors; Retail and Panel. State salary and references to John Freeman, Chemist, 9 North Street, Barking, Essex.

BARNSLEY.—Wanted, a smart Lady Dispenser, qualified or unqualified, for N.H.I. and Private Dispensing; preference given to one used to the Chemist's business; as I want an experienced Assistant only, young ladies in want of a nice soft job are warned off; short hours; good salary to a good Assistant; large, healthy shop; weekly half-holiday; no Sunday duty; 35 other assistants employed. Apply, with usual particulars, to H. Teasdale, Chemist, Drug Dept., Co-operative Stores, Barnsley.

BIRMINGHAM.—Elderly qualified Assistant; comfortable and permanent berth. State salary required and when at liberty, "Astol" (150/131), Office of this Paper.

BIRMINGHAM.—Firm of Retail Chemists has an opening for a smart, unqualified man, age about 46, to assist in Stock-taking department; must be quick at figures and well up in the trade; permanency if satisfactory. "Stock" (150/136), Office of this Paper.

BIRMINGHAM.—Qualified Manager required for Light Retail business; permanent berth for satisfactory applicant; good agreement, with interest in the profits offered; applicants must be over 42 or rejected men. "Capon" (150/135), Office of this Paper.

BRIGHTON.—Assistant, qualified or unqualified, for good-class Retail and Dispensing business; indoors or out; application from lady Assistant with knowledge of Chemist's business would be entertained. Parris & Greening, 16 Western Road, Hove.

BRIGHTON.—Lady Assistant for Dispensing and Light Retail business; must have previous Retail experience. Apply, with full particulars, age, references, and salary required (outdoors), J. Miller, 4 Victoria Road, Brighton.

BRIGHTON.—Competent Assistant required at once for light Store business; preference given to one with some knowledge of Photography and Window-dressing; no N.H.I. business; easy hours; comfortable and permanent situation. Stead, 23 Duke Street, Brighton.

BYFLEET.—Qualified (minor) Lady Assistant for high-class Dispensing business; outdoor; reasonable hours; near London; delightful residential country neighbourhood; or totally exempt gentleman of good experience in Dispensing. Browning Moss, West Byfleet.

CAMBRIDGE.—Messrs. G. Beall & Son, 25 Sidney Street, require an Assistant, qualified or unqualified, former preferred; gentleman or lady, if former must not be eligible for the Army; outdoors.

CROYDON.—Qualified Assistant for Dispensing and Light Retail business; good salary to smart man; permanency. State age, experience, etc., to W. E. Matthews, Ltd., 40 George Street, Croydon.

DERBY.—Outdoor Junior; ineligible male or female Assistant required immediately for good-class Dispensing and N.H.I. work. Apply, with usual particulars, to Readman, Friar Gate, Derby.

DEVON.—Competent qualified or unqualified Assistant wanted for good-class Retail; ineligible; easy hours; no Sunday duty. Apply, Haynes, Chemist, Honiton.

EAST SUSSEX HOSPITAL, HASTINGS.—Dispenser required; salary commencing £110 per annum, rising by annual increments to £120; dinner and tea provided; candidates must be duly qualified. Applications, with three recent testimonials, to be sent to the Secretary at the Hospital.

FAVERSHAM.—Assistant wanted; lady or gentleman (ineligible); outdoors. State experience, with reference and salary required, in the first letter, to T. J. Thomas, Chemist, Faversham.

FOLKESTONE.—Lady Assistant (or ineligible male); outdoors; chiefly for Dispensing and Stock; high-class business; qualified or unqualified. State full particulars of experience and salary required, to F. G. Curtis, Pharmaceutical Chemist, 94 Sandgate Road, Folkestone.

GILLINGHAM.—Qualified Dispenser wanted for Medical Society (ineligible). Apply, stating age, salary required, also references, to C. H. Chilton, Secretary, 175 Victoria Street, Gillingham, Kent.

HEREFORD.—Wanted, lady Assistant; Dispensing, Stock, and Counter; hours 9 to 7; no Sunday duty; outdoors. State experience, Walter Marchant, 36 High Town, Hereford.

HUDDERSFIELD.—Dispenser wanted, accustomed to good-class business. Apply, giving full particulars of experience, etc., salary required (outdoors), to Ralph Cuthbert, Ltd., Chemists, Huddersfield.

HULL.—Wanted, Assistant (outdoors), with Dispensing experience; permanent. State particulars and salary required to S. T. Kirton, Chemist, 53 Savile Street, Hull.

IPSWICH.
EAST SUFFOLK AND IPSWICH HOSPITAL.

APPOINTMENT OF ASSISTANT TO PHARMACIST.

THE Board of Management is prepared to receive applications for a Dispenser. Applicants should state age, qualifications, experience (if any), and salary required.
ARTHUR GRIFFITHS, Secretary.

LEEDS.—Wanted, Junior Assistant for Retail and Dispensing department. Apply, stating age, experience, and salary required, Reynolds & Branson, Ltd., Leeds.

LEICESTER.—Junior Assistant (ineligible) wanted; outdoors; must be a reliable and accurate Dispenser; required to attend to branch orders and general stockkeeping during the day. All usual particulars and salary required to Wilby, Chemist, 124 Humberstone Road, Leicester.

LONDON.—Outdoor Assistant required; Insurance Dispensing; must be exempt. Salary and other particulars to 150/36, Office of this Paper.

LONDON, E.—Young lady required who has had some experience in a Chemist's establishment; permanency. "East" (150/133), Office of this Paper.

LONDON, E.C. DISTRICT.—Qualified Manager or Manageress for Branch shop; Light Retail and N.H.I. Dispensing; progressive and permanent position to a thoroughly capable and steady worker. Apply, by letter, stating full particulars, in first instance, to Drury, 63 Great Hermitage Street, London, E.

LONDON, N.W.—An Assistant in a Family Retail and Dispensing business, either for Counter, Dispensing, or both; two kept; outdoors. Full particulars as to reference and salary in first letter, or a personal interview (lady not objected to), Alban Atkin, 243 West End Lane, West Hampstead, N.W.

LONDON, S.E.—Unqualified Assistant wanted immediately; ineligible male, or young lady with three or four years' Retail experience; good salary. Apply, stating salary required and enclosing copies of testimonials, to Munday's, Cash Chemists, 25 Camberwell Green, S.E.

LONDON, S.W.—Bradley & Bourdas, 6 Pont Street, S.W., require a qualified Assistant (lady or gentleman) for Dispensing and Counter; outdoors. Particulars of experience and salary required to Mr. Bourdas.

LONDON, S.W.—Assistant wanted; lady or gentleman; must have had previous experience in a Pharmacy; good writer, and accustomed to Stock of good-class Dispensing and Retail business. Tupholme & Son, 1 Coleherne Terrace, Earl's Court.

LONDON, W.C.—Unqualified Assistant (male) wanted for Counter, Dispensing, and Relief. Apply, Miller, Manager, Anglo-American Pharmacy, 41 Hart Street, New Oxford Street.

MANCHESTER.—Mottershead & Co., 7 Exchange Street, require an Assistant with good business experience; no Sunday duty. State age, experience, and salary expected.

MANCHESTER.—Wanted, Male or female Assistant (qualified preferred); Dispensing and Light Retail; outdoors; good salary. Bates, Pharmacist, Brooks's Bar.

MANCHESTER, E.—Qualified Manager for working-class business; man above military age preferred; permanency with good interests in the profits offered to a really smart man. "Olive" (150/132), Office of this Paper.

MANCHESTER (Near).—Wanted, qualified Chemist for branch; over military age; must be smart and not afraid of work. Apply, stating age, experience, and salary required to "Chemist," (147/9), Office of this Paper.

N.E. LONDON.—Assistant for N.H.I. and Counter; moderate hours, Wednesdays off from 1 o'clock. Please give salary required, experience, with references, etc. (ineligible for the Services), G. Pasco & Son, 57 Hackney Road, N.E. (near Shoreditch Church).

NEAR Birmingham.—Young lady required for progressive Chemist's establishment; permanency; must have had some experience in Chemist's shop. State age and salary required, "Castle" (150/13), Office of this Paper.

NOTTINGHAM.—Unqualified Assistant, or good Junior (lady or gentleman) for Light Drug business; good salary (outdoors); permanent situation; good references indispensable. Hulme's, Chemist, Nottingham.

PLUMSTEAD, S.E.—Required at once, a qualified and an unqualified Assistant, outdoor, for Dispensing and Photographic business. Apply to A. Goldthorpe, M.P.S., 70 Herbert Road, Plumstead.

RUGBY.—A Dispenser with experience (gentleman or lady); good references. Apply Chamberlain, 3 Market Place, Rugby.

ST. ALBANS.—A lady Assistant wanted with some knowledge of Dispensing for a good middle-class business in a pleasant country town; hours 8.45 to 7.15, Thursdays 8.45 to 1, Saturdays to 8.30; no Sunday duty; good salary (outdoors). Shields & Warren, St. Albans.

SHEFFIELD.—Qualified Manager (lady or gentleman) for middle-class; easy hours; good pay; sole management or otherwise. State particulars at once to 165 Rustlings Road, Sheffield.

SHREWSBURY.—Assistant (outdoors); easy hours. Please give full particulars of experience and salary required in first letter. Apply, A. Williams, M.P.S., Castle Street, Shrewsbury.

SOUTH Coast.—Wanted, extra assistance, temporary or permanent, while Stocktaking. State full particulars and salary required, etc., to 224/64, Office of this Paper.

SOUTH of England.—Assistant required; free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH OF ENGLAND.—Assistant required for high-class Dispensing, Retail, and Photographic business; no N.I. Dispensing; comfortable home and good terms. Kindly state full particulars and salary required (indoors) to "South," c/o British Drug Houses, Ltd., 22 Graham Street, City Road, N.

SOUTH WALES.—Smart qualified Manager required for business situate not far from Cardiff; must be a capable Dispenser and good Counterman; good salary and interest in the profits offered to suitable man. "S. W." (150/134), Office of this Paper.

STOWMARKET.—Lady Dispenser and Bookkeeper wanted immediately in large medical practice; one able and willing to assist with small dressings in surgery preferred; very little Dispensing. Apply, with full particulars, references, etc., to Drs. Harper, Hounsfield, and Hill, Stowmarket, Suffolk.

SUNDERLAND.—Wanted, a qualified Chemist; mostly Insurance work; ineligible for military service. Apply, J. G. Harrison, Pharmacist, 91 Hylton Road, Millfield, Sunderland.

TREHARRIS.—Wanted Assistant, male (ineligible) or female, married or single, qualified or unqualified, for country business and N.H.I. work; open to consider part interest if preferred. Give full particulars in first letter to T. Thomas, Chemist, Treharris.

WARMINSTER.—Assistant, unqualified, exempt, for good-class business required at once; willing to assist at branch; must be active and temperate; good salary to good man seeking permanency. Full particulars to Frank Cook, Warminster, Wilts.

WORTHING.—Assistant wanted; outdoors; good-class business. Send particulars, with references, to W. Aston, Pharmaceutical Chemist, Worthing.

ASSISTANT for Dispensing and Counter; gentlemanly; active; references must bear strictest investigation; permanency, with good prospects; hours 8.30 to 8 p.m.; usual half-holiday; no Sunday duty; salary, according to experience and ability, £2 10s. to £3 per week. Tamplin & Son, 19 Eden Street, Kingston-on-Thames.

ASSISTANT (Junior) required, chiefly for Counter; with some knowledge of Surgical trade preferred; West End shop; hours 9 to 7; wages 21s. to 30s., according to experience. Address, Box D775, Clark's, 58 Great Portland Street, W.

AT Once, a reliable Assistant; male or female; outdoor; no N.H.I. Dispensing. Apply, G. W. G. Robinson, M.P.S., 307 Railton Road, Herne Hill, S.E.

COMPETENT, unqualified Assistant required, outdoors; with knowledge of Photographic salesmanship (no developing or printing). Please state salary expected and give references to Atkins & Son, Pharmacists, Salisbury.

DISPENSER.—Wanted, Dispenser at Doctor's Surgery for one day a week, Thursday 10 to 6; nearest station Aldgate; good salary. Apply, before 11 or after 6, at The Surgery, 24 Osborn Street, Whitechapel.

ELDERLY, active Assistant; easy hours; comfortable berth; state salary, etc., in first letter. 224/19, Office of this Paper.

FOR March 19th.—London, W.; outdoor unqualified Assistant, chiefly for Stock and Dispensing; quick Store trade; must be a good worker. Full particulars to "Senya" (148/25), Office of this Paper.

LADY Assistant wanted for small country Wholesale with Light Retail; no Dispensing; to superintend and assist in packing Proprietaries and Perfumery and attend Retail Counter; a neat writer and knowledge of booking desirable. Send usual particulars and photo (to be returned) to Wilson, Jones & Co., Hanley, Stoke-on-Trent.

LADY; young; qualified or unqualified; outdoors; with Retail and Dispensing experience; easy hours; every consideration given to desirable applicant; send fullest particulars, salary, experience, references, in first letter. Apply, Fred. J. Oliver, Chemist, Maidstone.

LADY Dispenser and Bookkeeper wanted (outdoors); abstainer. Apply, giving age, experience, salary, and references, to Drs. T. S. and E. B. Morley, Barton-on-Humber, Hull.

LADY Dispenser, with Minor qualification, for high-class business (outdoors); good Retail experience necessary; also Junior with some knowledge of Dispensing. Full particulars to "Ajax," c/o Messrs. Maw, Son & Sons, Aldersgate Street, E.C.

LADY Assistant or Improver, to help in good-class light Retail; Dispensing experience not essential; pleasant shop; pretty and healthy suburban district; comfortable and easy situation; some shop experience preferred; indoors or outdoors. Apply, stating full particulars, experience, age, and salary required, to Pollard, Bingley Road, Shipley, Yorks.

MANAGER wanted for branch shop; qualified; easy hours; good living accommodation. Apply, R. Peel, Market Street, Rainhill, Lancashire.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED Branch Manager; absolutely exempt or over 41 years of age; must be energetic and enterprising; references must bear the strictest investigation; commencing salary 75s. per week and commission. Apply, "Progress" (150/7), Office of this Paper.

QUALIFIED Manager (lady or gentleman) for seaside business; good position; comfortable house; state age, experience, references, and salary required. Apply, 151/35, Office of this Paper.

QUALIFIED Assistant wanted; good salary; whole day off a week; occasional Sunday duty. Apply, Wm. Fox & Sons, Ltd., 109/113 Bethnal Green Road, N.E.

QUALIFIED Manager (married) for good-class business; market town, Fareham, Hants; Photography, Prescribing, Optics useful; permanency; short hours; no Sunday duty; modern and comfortable house; good salary and commission. Please send full particulars as to age, experience, when at liberty, with references, to Foster, "Ivydale," London Road, Portsmouth.

QUALIFIED Locum (ineligible) required at once until end of March; Dispensing and Counter; North London; good salary to suitable man. 153/17, Office of this Paper.

REQUIRED, Dispenser; Minor qualification; hours of work approximately 8.45 to 6 o'clock, 1 o'clock Saturdays; no Sunday duty. Write, stating full particulars and salary required, to "L. J.," 1593, Sells' Advertising Offices, Fleet Street, E.C.

REQUIRED, Counter Assistant; used to Druggist's Sundries; must have smart appearance; hours of work 8.45 to 6 o'clock, 1 o'clock Saturdays; no Sunday duty. Write, stating full particulars of past experience and salary required, to "L. J.," 1592, Sells' Advertising Offices, Fleet Street, E.C.

SIX Hours daily during duration of war; would suit elderly Pharmacist or lady (experienced in shop work); house available if desired; near London. Apply 152/7, Office of this Paper.

STARKIE, 126 Strand, W.C., has a vacancy for an experienced Assistant; immediate; qualified desired but not essential; ineligible. Write, or call, to the above address.

THOMPSON & CAPPER have vacancies for a qualified and an unqualified Assistant. Write, enclosing photo (if possible), to Manesty Buildings, College Lane, Liverpool.

WANTED, Reliable lady Dispenser in good-class Dispensing Retail business in North London; previous Counter experience not essential. "Statim" (149/5), Office of this Paper.

WANTED, unqualified Assistant or Junior, exempt from military service, for Insurance Dispensing and Counter. Apply, with full particulars age, references, salary required, etc., Price, Blackheath, Birmingham.

WANTED at once, capable Assistant; must be ineligible for military service. Apply, with full particulars, age, references, and salary required, Heaton, Chemist, Ripley, Derby.

WANTED, for a City Pharmacy, a qualified Assistant; elderly; good references; one seeking a permanency preferred; state salary required. 150/40, Office of this Paper.

WANTED, for City Stores, a lady Assistant; one with the Minor qualification preferred; short hours, Saturday one o'clock; no Sunday duty. Apply, stating experience and salary required, to Staff Superintendent, C.S.S.A., Ltd., 136 Queen Victoria Street, E.C.

YOUNG lady wanted, unqualified, in- or out-doors, for Light Retail, Dispensing, and Counter; preference given to one with some Post Office experience, Telegraphy, and Telephone; easy berth, but applicants must be smart. State experience, salary, references, and send photo (to be returned), Chapman, Chemist, Winterton, *via* Doncaster.

£2 and Commission.—Evening appointment as Relief Assistant for Central district; must be well recommended and experienced; comfortable berth. Apply, "Kirk" (153/23), Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

DERBY.—Wanted immediately, man experienced in Pill-making and coating; ineligible for Army. Apply, Davies, Sons & Co., Bridge Street, Derby.

NORTH of England.—Drug Traveller wanted. 222/51, Office of this Paper.

WESTON-SUPER-MARE.—Travellers wanted, to take up sale of good Plate-powder as a side line; generous commission offered to right men. Apply, in first instance, to Silverbell, c/o S. G. Tydeman, Chemist, Weston-super-Mare.

FIRMS able to undertake Manufacture of

JELLIES, CUSTARD POWDER, BAKING POWDER, LEMONADE, AND SIMILAR LINES

for large Wholesale Proprietary House, are invited to correspond with advertiser, who has

GOOD BUSINESS TO PLACE.

No Agents. Manufacturers only wanted.
Replies will be treated in strict confidence.
153/12, Office of this Paper.

A LONDON firm manufacturing Jams, Essences, and Confectionery, requires a young man with some Chemical knowledge. Apply, by letter, to 223/2, Office of this Paper.

ASSISTANT; unqualified; Dry and Wet Counter; previous experience. C. Tolkien & Co., Blackburn.

ASSISTANT required in Laboratory of Manufacturing Chemists; capable of making Tinctures, Infusions, Ointments, etc. State experience and age. Also Porter for Dry Room. Apply, 153/160, Office of this Paper.

EXPERIENCED Pill hand wanted; exempt from military service; permanent position to suitable man. Apply, 219/40, Office of this Paper.

EXPERIENCED Invoice Clerk wanted; ineligible or above military age; salary according to ability. Apply by letter with full details, to the Secretary, Wright, Layman & Umney, Ltd., Southwark, London, S.E.

EXPERIENCED Drug Packer (male or female) wanted at once. Apply, 153/24, Office of this Paper.

GENTLEMAN required (ineligible for the Army) for responsible position in Export Merchant's Office; one with knowledge of General Export Merchant's business preferred. Write, stating full particulars, including salary required, to 222/28, Office of this Paper.

JOHN RICHARDSON & CO., LTD., 10 Friar Lane, Leicester, have vacancies for ineligible men as Second and Third Countermen in Wet and Dry departments; also experienced Despatch Clerk; permanent employment and good wages; modern, well-ventilated workrooms; clean and healthy town. Apply by letter, with experience and references.

JUNIOR Assistant wanted for Warehouse; ineligible; accustomed to the Drug and Patent-medicine trade, and with Retail experience preferred. Apply, with references, stating age and wages required, to Goodall, Backhouse & Co., Leeds.

JUNIOR Invoice Clerk (female) wanted by a Wholesale firm of Manufacturing Druggists. State wages and experience. Apply, 153/16, Office of this Paper.

PERFUMER Required; London; good prospects for one with up-to-date experience and initiative. 224/24, Office of this Paper.

R. A. CRIPPS & SON, Manufacturing Pharmacists, Hove, require capable man (ineligible for military service) for Dry Room. Please state age, previous experience, and salary required.

RELIABLE man (over age or exempt) to take control of Invoicing and Despatch department of a busy Wholesale Optical house; must be used to detail and understand export work; good salary and prospects. Apply, in confidence, by letter, to "Despatch" (214/52), Office of this Paper.

SURGICAL Wool Factory.—Wanted, a Manager who understands Finishing and Marketing Wool, Lint, Gauze, Bandages, etc.; good prospects for reliable energetic man or woman. Apply, "Director" ((224/62), Office of this Paper.

TRAVELLERS wanted for London and Provinces, who have a connection with Stores and Chemists, to sell advertised Proprietary articles on good commission basis. Write, stating full particulars as to ground covered, age, references, etc., to 224/63, Office of this Paper.

WANTED to meet man who thoroughly understands manufacture of Disinfectants. Write experience, 222/15, Office of this Paper.

WANTED, a thoroughly competent temporary Representative (ineligible), or lady, who has a first-class connection amongst London Chemists south side of Thames, to solicit orders for well-known Manufacturing Chemists and Packed Goods House; undeniable references and guarantee required. State salary, age, and full particulars as to past experience, to "G. T. H." (224/45), Office of this Paper.

WET Assistant wanted, to control three or four hands; also working Dry Foreman for Dry Counter. State wages and experience, 153/161, Office of this Paper.

WORKING Foreman required for fine Chemical plant; previous experience of Stills and Mixers desirable but not necessary. Apply, stating experience and wages required, in first instance to 222/72, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

QUALIFIED Chemist's lady Assistant wanted for South Africa. State age, detailed record; send photo, copies testimonials; one year's agreement; £180; second-class passage paid. Davis & Soper, Ltd., 54 St. Mary Axe, London, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

A MANAGER or Locum, qualified, ineligible, with the best of references, twenty years' experience, would like comfortable berth, preferably West of England or Coast. State salary, "Chemist," 75 Wellingborough Road, Northampton.

AS Manager or Senior; minor, ineligible; experienced. "Nitram," 28 Crookham Road, S.W.

ASSISTANT (unqualified), good Dispensing experience, seeks permanency; Lancashire preferred; disengaged; ineligible. "T. H.," 71 Elizabeth Street, Nelson.

ASSISTANT; well experienced Counter, Dispensing; exempt. "Statim," 4 Bright Street, Cheetham, Manchester.

ASSISTANT or Manager (29), rejected, requires permanency; good Retail, Dispensing, and Photographic experience; outdoors; view to succession entertained. "X. A. X A.," 9 Avondale Road, Eastbourne.

ASSISTANT; ineligible; unqualified; temporary, permanent. References, "L. T.," 1 Eton Road, Newport, Mon.

ASSISTANT (19), 5 years' good experience, including 3 years' Indentured Apprenticeship, disengaged; excellent references. Evans, 158 City Road, Cardiff.

DISPENSER (lady), qualified (Hall), experienced, desires post; London or daily distance of Purley. Apply, 151/13, Office of this Paper.

DISPENSING, Prescribing, Manufacture; City, West End Stores, and Hospital experience; temporary or permanent; disengaged; discharged R.A.M.C. 'No. 9," 25 Gilmore Road, Lewisham, S.E.

LADY Dispenser (Hall qualification) requires post immediately. Apply, Dispenser, 7 Westbourne Park Road, Bayswater, W.

LADY (young) requires post Chemist's Assistant; no experience. 50 Wordsworth Avenue, Manor Park, E.

LADY Dispenser (Hall), nine months' training, desires post or Part-time; Hospital, Institution, or Chemist; London district. Hawes, 92 Ditton Road, Surbiton.

LADY Dispenser desires post, Part-time; part Hall qualified; three years' experience; afternoons, evenings free; London. Cosslett, 369 Clapham Road, London, S.W.

LADY Dispenser, well trained (part Hall qualified), desires post with Chemist; Croydon, South Norwood, or Sutton districts, or London. Oakdene, Parkgate Road, Wallington.

LADY desires situation (outdoors); experienced in Counter work, Packing, putting up Stock, and general routine of Chemist's business; London, N.W., or City preferred. Apply, 153/33, Office of this Paper.

LIVERPOOL.—Lady, Hall qualification, desires post as Assistant Dispenser; Chemist or Hospital. 152/6, Office of this Paper.

OCUM (qualified); disengaged March 6. "Chemist," 111 Blatchington Road, Hove.

.P.S.—MANAGER or Senior; 38; experienced West End and Provincial; excellent references. Apply, 3/35, Office of this Paper.

ANAGER (Major); 50; all-round experience; references and testimonials. "Bachelor" (148/1), Office of this Paper.

ANAGER (qualified) open immediate engagement; married; country; outdoors preferred; used to high-class business; scribing and Photographic. Kent, Station Parade, Sunning-e.

ANAGER, qualified (46), with first-class experience and refer-ences, desires permanent post; London or near preferred; d salary required. 151/15, Office of this Paper.

ANAGER or Managing Assistant; qualified; 42; married; tall; energetic; capable; good appearance and address; all-nd experience; disengaged shortly; London or suburbs. ertius" (152/33), Office of this Paper.

ANAGER; qualified; age 49; 13 years' West End Manage-ment; highest references; London preferred. "C.," 9 hfield Gardens, Richmond, Surrey.

ANAGER, Locum, or Assistant; London, West End or City, preferred; qualified; disengaged; over military age. Smith, Leppoc Road, Clapham Park, S.W.

ANAGER or Assistant; all-round experience; competent, reli-able; knowledge of Surgical and Mechanical Dentistry; mpt. 153/26, Office of this Paper.

ORNING or Evening Dispensing wanted; Eastern district only; qualified man; 15 years present employment. "R.," Southesk Road, Forest Gate, E.

HARMACIST highly recommends young lady; requires Dis-pensing experience; excellent at Stock, and can assist nter; indoors; good home essential. 150/32, Office of this per.

UALIFIED; position as Manager required; South Coast pre-ferred; Store experience. "E." (150/10), Office of this per.

UALIFIED, aged 50, active, married, no family, desires Management of good Dispensing and Prescribing business any responsible position. 149/8, Office of this Paper.

UALIFIED (26), experienced, good reference, seeks situation as Manager or as Dispenser in military or private hospital. spirin" (149/20), Office of this Paper.

UALIFIED (24) as Locum. State hours and salary, Tiernan, Colville Road, Boscombe.

UALIFIED Chemist (studying medicine) desires Part-time work; best West-end experience in Dispensing and Retail. conite," 57 Moscow Road, Bayswater, W.

UALIFIED (total exemption); good City and West-end ex-perience; foreign languages. Apply, 151/3, Office of this per.

EADING preferred.—Qualified, experienced, 43, single, 5 ft. 10 in.; out of business some time; rapidly getting fit; easy th or Part-time at first, salary in proportion. "Alpha," ldon Road, Reading.

EMPORARY or permanency; disengaged shortly; age 45; married; experienced; highest reference. "Pharmacist," 57 wns Road, Walthamstow, Essex.

NQUALIFIED; Assistant or Manager; married; age 30; Army Reserve, at present ineligible; tall, active; 15 years' nd practical experience; Liverpool district preferred; reliable; rences. State salary and hours (which must be moderate), porary or permanency. "Progress," 5 Woodborough Street, pleton Road, Bristol.

NQUALIFIED Manager or Senior Assistant; married, Class B3; Counter, Photo, Dispensing, Optics; highest references. ly 152/22. Office of this Paper.

OMAN Dispenser requires post; London or daily distance Missenden. Clarke, Chatley Dene, Great Missenden.

S.; outdoors; easy hours; Minor; M.P.S.; elderly; energetic; abstainer; well connected; private means; photo; country ferable; now or later. 148/18, Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A PHARMACEUTICAL Chemist (42), who during 8 years as Managing Director of a large, first-class, one-shop business has increased the turnover by £1,400 and converted a loss of £200 into a net profit of over £500, desires a position offering larger scope for sales organisation to the general public and for business extension, such as Sales Manager or Publicity Organiser, for a firm requiring initiative and ability in securing increased business. 150/6, Office of this Paper.

ADVERTISER, tall, good address, 20 years' London and pro-vincial Retail experience, seeks outdoor engagement; dis-engaged. Lenoil, 4 College Street, Aberdare.

REPRESENTATIVE OR LONDON AGENCIES.

ADVERTISER, with extensive experience, knowing and well known throughout Midlands, desires berth for that or other territory; would consider Representation for London from Provincial houses; salary, expenses, commission; age 43. Apply, 153/28, Office of this Paper.

AN educated lady desires post as Representative to a Whole-sale firm; West of England preferred. "Alpha," Bulford House, Wellington, Somerset.

GENTLEMAN, at present occupying responsible position, desires change; fully experienced in all departments, both ware-house and office. Address 153/25, Office of this Paper.

PHARMACIST (43) desires appointment as Representative first-class London house; thoroughly experienced; sound knowledge of Therapeutics. "Optimist" (150/31), Office of this Paper.

QUALIFIED Chemist, well up in Galenicals, Creams, Essences, and Toilet Preparations, desires change with a London firm; military exempted; best references; state salary and nature of work. "Exalgine" (151/36), Office of this Paper.

RUSSIAN, young (exempt military service), with thorough knowledge English, French, having had two years' experi-ence with Chemical Colonial goods firm, seeks responsible position; would undertake setting up Russian department. Write, 153/27, Office of this Paper.

SMART up-to-date man, 16 years' Wholesale and Retail ex-perience, wishes to Represent good house; age 32; ineligible for military service. Apply, 152/31, Office of this Paper.

TWO ladies (Belgian, English), former experienced, seek em-ployment together, Birmingham, to assist Chemist; Whole-sale preferred; not less than £2 week. Sanders, "Meggen," Teignmouth.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

WOMAN Dispenser, Bookkeeping, Shorthand, Typewriting, care of Instruments, desires post in the Near East, preferably Egypt. 150/20, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Black-heath, S.E. Established 1898. Telephone, 81 Lee Green.
Shares for Sale (free of commision, subject).—60 Bryant & May 14 per cent. Preference, 43*s.* 3*d.*; 50 Argentine Estates Bovril Preference, 12*s.*; 200 Ilford 6 per cent. Preference, 15*s.* 6*d.*; 120 Lewis & Burrows Ordinary, 5*s.* 10½*d.*; 80 Wright Layman 6 per cent. Preference, 19*s.* 9*d.*; 200 British Oil Cake Ordinary, 29*s.* 6*d.*, c.d. 10 per cent.; 40 Allen & Hanburys "B" Preference, 19*s.* 9*d.*, 25 "C." Preference, 19*s.* 6*d.*
Wanted (subject).—Idris Debentures; Allenbury's Preference.
Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

3,000 GROSS 1 lb. Lever-lid Tins, 25 gross 1½ lb. ditto; immediate delivery; third less usual prices. Write, "Tins," 1566, Sells' Advertising Offices, Fleet Street, London.

SECOND-HAND Shop Fittings. — 12 ft. Glass-fronted and Mahogany Serving Counter, £8 15s.; Counter Silent Salesman, with bent front and two plate-glass Shelves, £5 15s.; 7 ft. Mahogany Wall Case, equal to new, £11 10s.; quantity of second-hand Shoprounds, Oils and Syrups, Pill Pots, Tincture Press, etc. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

FOR SALE.—Ol. Menth. Pip., 50 lb.; Chloroform, 65 lb.; what offers? International Chemical Co., Ltd., 7 Wybert Street, Munster Square, N.W.

HIGH PRICES FOR CAMERAS

Original Cost Price for Vest Pocket Kodaks, R.R. Lens, and Watch Pocket Carbines.

Try us for Single Models, Dealers' Stocks, Ensignettes, &c. We reply promptly and courteously, and goods are returned at once, CARRIAGE PAID, if no business is done.

WATSONS, 84 HIGH STREET, SHEFFIELD.

WHOLESALE MANUFACTURING CHEMIST

HAS FOR DISPOSAL

50 gross ... ... 1d. Cold Cream
60 gross ... ... 1d. Nit Ointment
150 gross ... 2d. Labelled Vaseline
2 tons White Base suitable for Ointments.

Apply 149/33, c/o CHEMIST & DRUGGIST, 42 Cannon Street, E.C.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin tablets (150/9)
Carlsbad salts, original (150/9)
Gelineau's dragees (150/9)
Migrainine (150/9)
Ung. cycloform co. (150/9)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Apomorph. hydrochlor. (220/27)
Atropin (alkaloid) (149/12)
Beta-naphthol (resublim.) (220/27)
Fibrolysin (151/12)
Guaiacol carb. (149/12)
Guycose (Bayer) (151/12)
Hyoscin hydrobrom (220/27)
Orthoform, 16 oz. genuine (original 1-oz. bottles) (223/25)
Phosphocose (220/27)
Quin valerianate (149/12)
Resorcin, 4 oz. (218/59)
Sod. tellurate (149/12)
Sulphonal (220/27)
Tannigen (149/12)
Veratrin (220/27)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

OFFERS, toxicology, testing, trade-mark law, neurasthenia, eye diseases, eczema. Hasselby, Hastings.

DRUGS AND CHEMICALS

BLOCK liquorice, 1 cwt. for sale; would divide. Apply, 146/30, Office of this Paper.

OFFERS wanted for 2 lb. beta-naphthol, 6 lb. mercury metal. Brooke, Pharmacist, Crawley, Sussex.

28 lb. pot. permang., 12s. per lb.; 7-lb. parcels 11s. 6d. per lb., carriage paid. Monsley, Chemist, Redditch.

1 lb. ol. santal. flav. ang., 45s. or reasonable offer; 100 phenacetin tablets, gr. v., 5s. Gibson, Chemist, Brigg.

SANAGEN.—2 doz. 1s. 6d., 4 doz. 2s. 6d., 1½ doz. 4s. 6d.; perfect condition; what offers whole or part? Dawson, 46 Marine Parade, Southend-on-Sea.

WHAT offers? 1 doz. each 25 x 5 gr. trional, sulphonal, phenacetin, and co.; ʒss. and ʒj. Easton's and hypophosphite syr. tablets, etc. 141/23, Office of this Paper.

OFFERS, whole or part, 7 lb. hydrargyrum.; 12 oz. ol. santal. flav.; 14 lb. pulv. ac. tart.; 14 lb. cream of tartar; 8 oz. saccharine crystals, 450; 46 grains atropine sulph. 150/26, Office of this Paper.

WHAT offers? aniline dyes, 4 oz. each, green, yellow, maroon, violet, pink; 1 oz. morphia sulph.; 4 oz. tr. cambis ind.; 4 oz. phenacetin. Young, Chemist, Gainsborough.

OFFERS: 5 gals. toilet paraffin, 14 lb. Cochin cocoanut oil, ½ oz. thymol, 1½ oz. benzoic, 200 phenacetin co. tabs., 200 phenacetin cachets, gr. 5. 152/37, Office of this Paper.

MISCELLANEOUS.

5 or 6 gross oval half-pint bottles for disposal; unpacked. Mortimer, 68 York Road, South Farnborough.

WANTED.

CHEMIST and Druggist Diary, 1911. F. H. Mertens, 64 Holborn Viaduct, E.C.

WANTED, chemists' fittings, stock, etc. Ellinor, 33 Ditchling Road, Brighton.

WANTED, samples of B.P. drugs for pupil. Apply, 210/66, Office of this Paper.

ʒss. kalis bottles; wide mouth; white glass. E. Haycock, Albrighton, Wolverhampton.

WANTED, recipes, toilet, medicinal, veterinary, label with price. Samuel Arthur, Chemist, Redruth.

WANTED, high-class bacteriological microscope; Beck or Watson preferred. 148/19, Office of this Paper.

GLAUBER salts desiccated; advertiser requires regular supplies. Sample and price to 221/43, Office of this Paper.

WANTED, salicin in quantity; spot or forward delivery; lowest cash terms. Address, 193/71, Office of this Paper.

WANTED, second-hand No. 1 optical bench. Price and particulars to Saward, "Carbonic," Lea Bridge, Clapton, London.

CREPE "Velpeau" bandages, 2½ and 3 in. Please state quantity and price, Wendon, 9 Oxford Gardens, North Kensington, London.

WANTED, saccharine 6,000 tablets, 8 oz. powder, all 550. Lowest price to Williams, Pharmacist, Heath Street, Hampstead, N.W.

WANTED, guaiacol carb. State quantity offered and price, full particulars, to R. Sumner & Co., Ltd., 40 Hanover Street, Liverpool.

PILL machine, 3-grain rotary, hand power, wanted; also several 3-grain ordinary hand pill machines. Geo. O. Restall, Northfield, Birmingham.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

A NEW or good second-hand field and portrait camera; also a hornless gramophone. Price and particulars to Williams, 80 Conran Street, Harpurhey, Manchester.

WANTED, boot-polish tins, to hold about ½ lb.; size about 4 in. by 1 in. We are also buyers of liquid metal-polish tins. Samples and prices to "Brytenup," Polish Works, Preston, Lancs.

Printed for the Proprietor by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*February* 24, 1917. [92]

"At this moment a customer came in. He wanted Formamint, was offered 'formalin,' refused it, and went."

Exactly a year ago this incident was reported in the "Evening News" by a journalist interviewing a London chemist.

THIS is a true story—typical of many other cases we have heard of—and it points its own moral!

Even in those days people *wanted* genuine Formamint and would have it.

Now, when they know it to be British, they are more than ever determined to have "the real thing."

Keep an ample supply of genuine Formamint in stock, and remember that there is no more seasonable and profitable line to push at this time of the year.

THE BRITISH PURCHASERS OF SANATOGEN, ETC.,
12, CHENIES STREET, LONDON, W.C.

DUBARRY'S

COMPRESSED TABLETS OF

Perfumed Bath Salts

Dubarry et Cie
Parfumeurs
81 BROMPTON ROAD LONDON S.W.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., New-Street Square, E.C.; and Published by the Proprietors